

NEWFIELD



October 8, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill:  
Jonah Federal 9-15-9-16  
Jonah Federal 11-14-9-16  
Jonah Federal 12-14-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. The 9-14-9-16 is an Exception Location. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Lana Nebeker  
Production Clerk

enclosures

RECEIVED

OCT 12 2004

DIV. OF OIL, GAS & MINING

001

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-017985

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

JONAH

8. Lease Name and Well No.

Jonah Federal 9-15-9-16

9. API Well No.

43 013-32683

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

NE/SE Sec. 15, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NE/SE 1724' FSL 782' FEL 576951X 40.028274

At proposed prod. zone 4431075Y -110.098166

14. Distance in miles and direction from nearest town or post office\*

Approximatley 21.3 miles south of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 782' f/lse, 1724' f/unit

16. No. of Acres in lease

560.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1,064'

19. Proposed Depth

6025'

20. BLM/BIA Bond No. on file

UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5698.0' GL

22. Approximate date work will start\*

1st Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Lana Nebeker

Date

10-8-04

Title

Production Clerk

Approved by (Signature)

Name (Printed/Typed)

BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III

Date

10-18-04

Title

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

OCT 12 2004

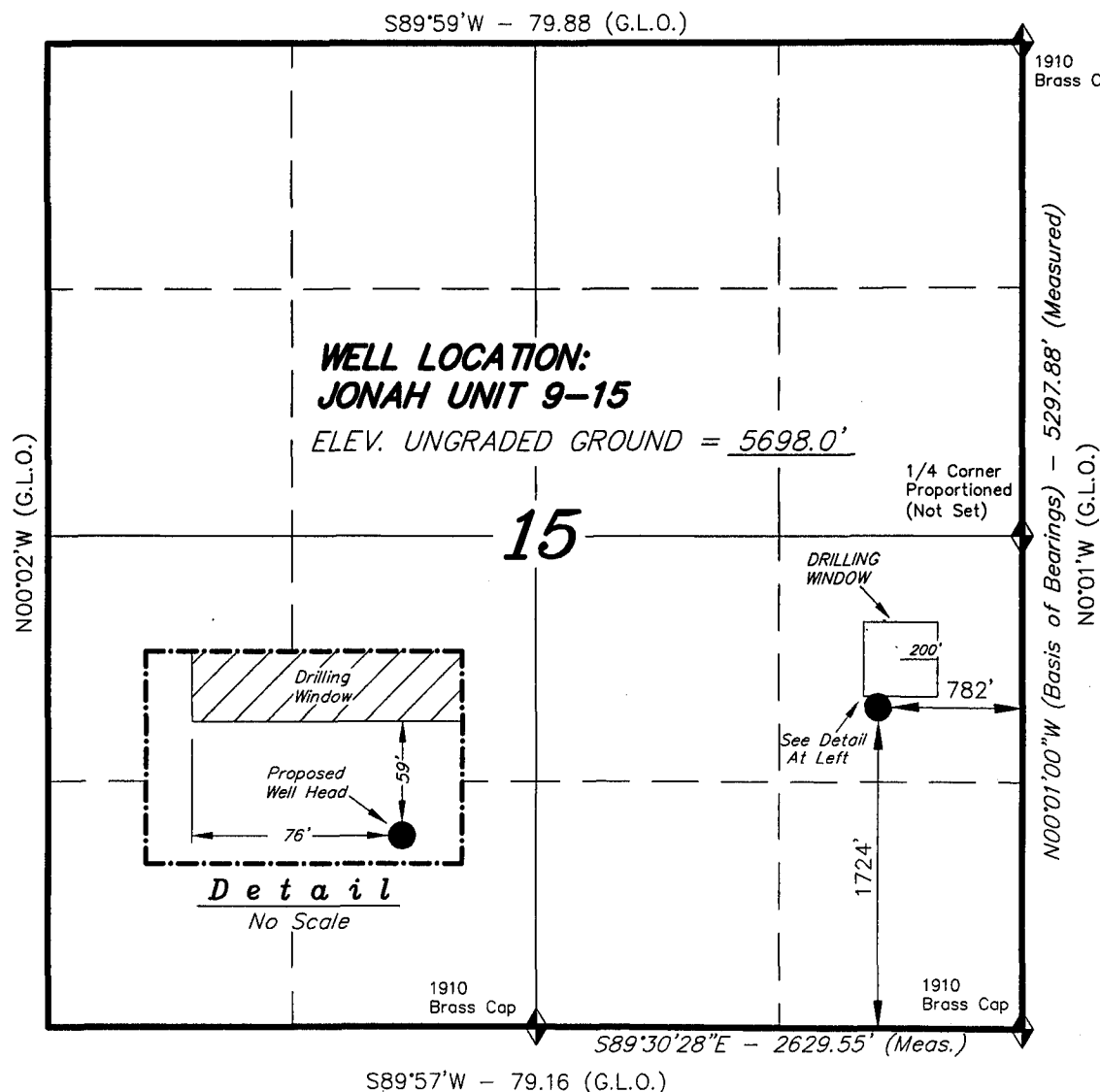
DIV. OF OIL, GAS &amp; MINING

Federal Approval of this  
Action is Necessary

**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT 9-15,  
LOCATED AS SHOWN IN THE NE 1/4 SE  
1/4 OF SECTION 15, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 7-8-04

DRAFTED BY: F.T.M.

NOTES:

FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL 9-15-9-16  
NE/SE SECTION 15, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 1640'
Green River	2160'
Wasatch	6025'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2160' - 6025' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #9-15-9-16  
NE/SE SECTION 15, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal #9-15-9-16 located in the NE 1/4 SE 1/4 Section 15, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 10.9 miles  $\pm$  to it's junction with an existing dirt road to the northeast; proceed northeasterly - 7.0 miles  $\pm$  to it's junction with an existing road to the south; proceed southeasterly - 1.8 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed easterly along the proposed access road - 865'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-44, 05/05/03. Paleontological Resource Survey prepared by, Alden Hamblin, 10/10/93. See attached report cover pages, Exhibit "D".

For the Jonah Federal #9-15-9-16. Newfield Production Company requests 865' of disturbed area be granted in Lease UTU-017985 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 865' of disturbed area be granted in Lease UTU-17985 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, and a 2" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 3230' of disturbed area be granted in Lease UTU-17985 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

Inactive Eagle nest: will require survey if drilled after March 2005

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Black Sage	<i>Artemisia Nova</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	5 lbs/acre
Green Molly Cyprus	<i>Kochia American</i>	4 lbs/acre
Crested Wheat Grass		2lbs/acre

**Details of the On-Site Inspection**

The proposed Jonah Federal #9-15-9-16 was on-sited on 3/25/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), Dave Loken (Newfield Production,) Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

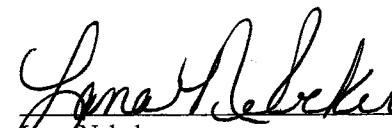
Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-15-9-16 NE/SE Section 15, Township 9S, Range 16E: Lease UTU-017985 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

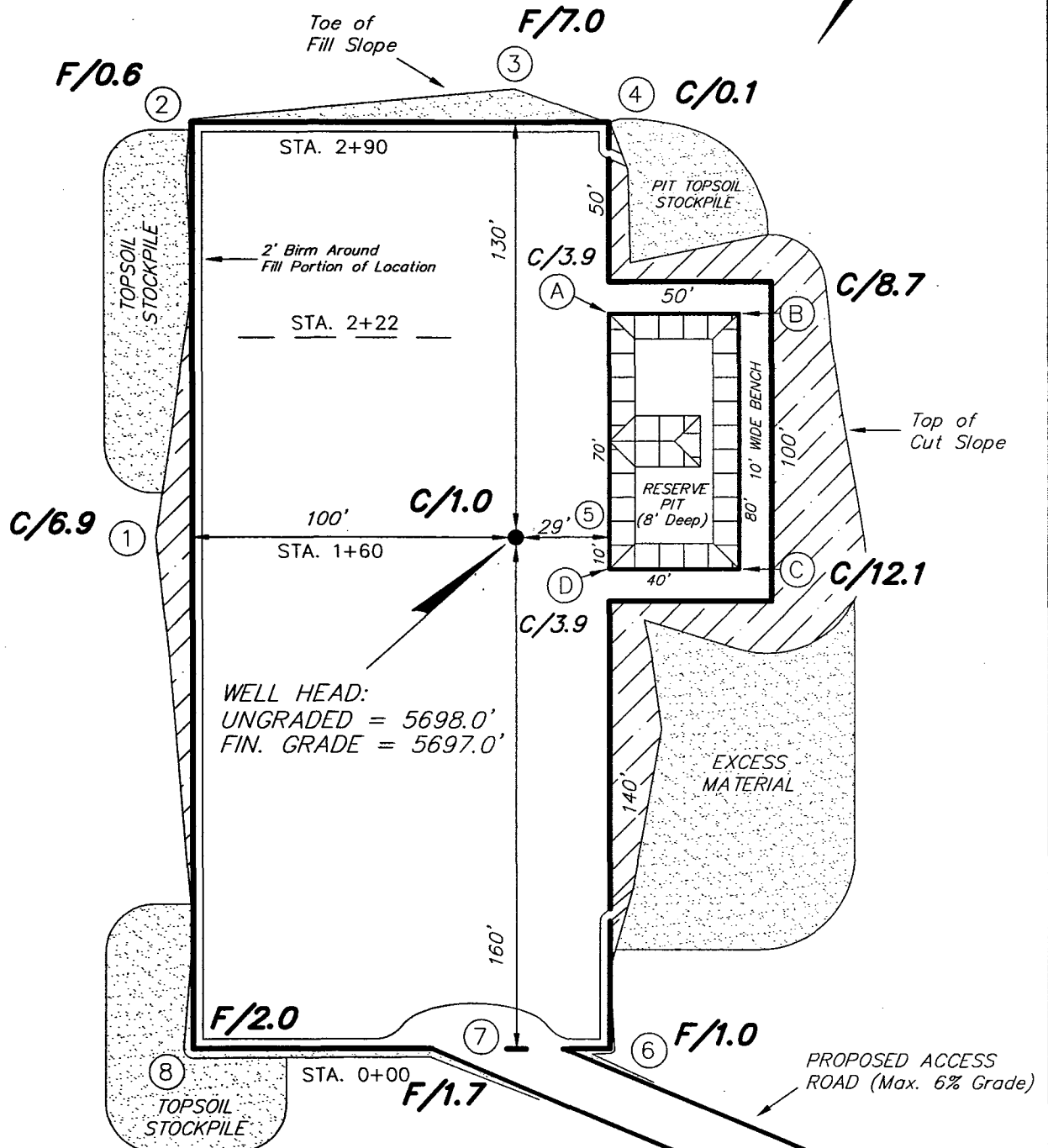
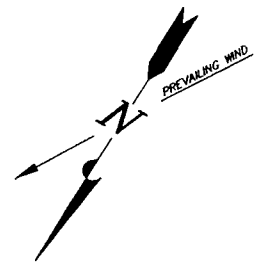
10-8-04  
Date

  
Lana Nebeker  
Production Clerk

# INLAND PRODUCTION COMPANY

## JONAH UNIT 9-15

Section 15, T9S, R16E, S.L.B.&M.



### REFERENCE POINTS

180' SOUTHEAST = 5687.3'

230' SOUTHEAST = 5685.5'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: F.T.M.

Tri State  
Land Surveying, Inc.

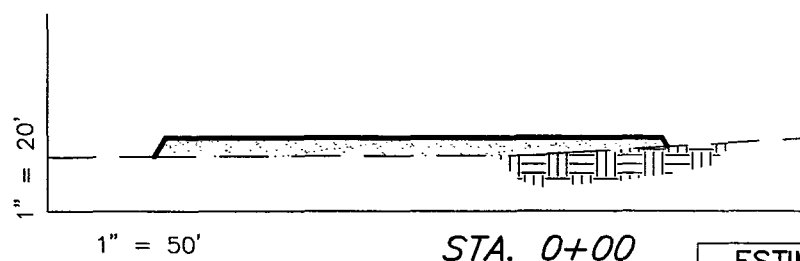
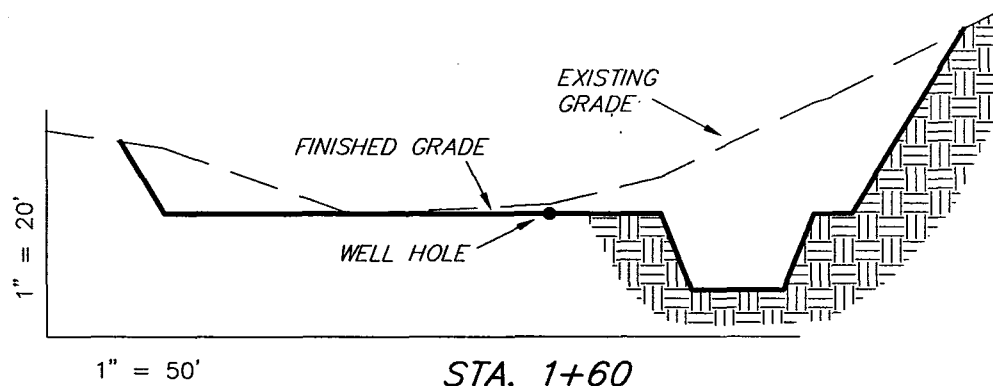
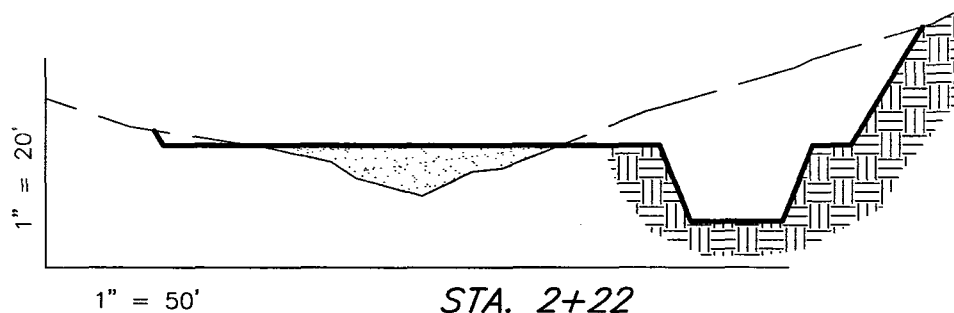
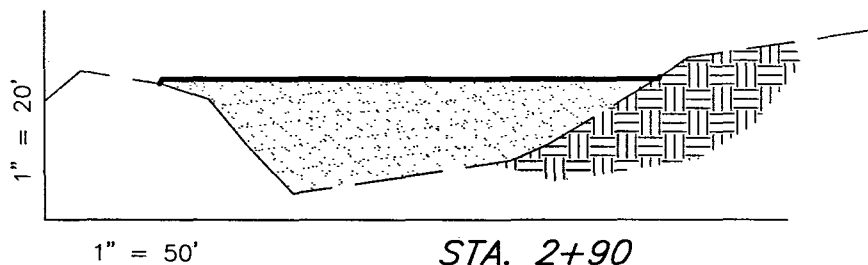
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### JONAH UNIT 9-15



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

#### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,320	2,220	Topsoil is not included in Pad Cut	2,100
PIT	640	0		640
TOTALS	4,960	2,220	790	2,740

SURVEYED BY: D.J.S.

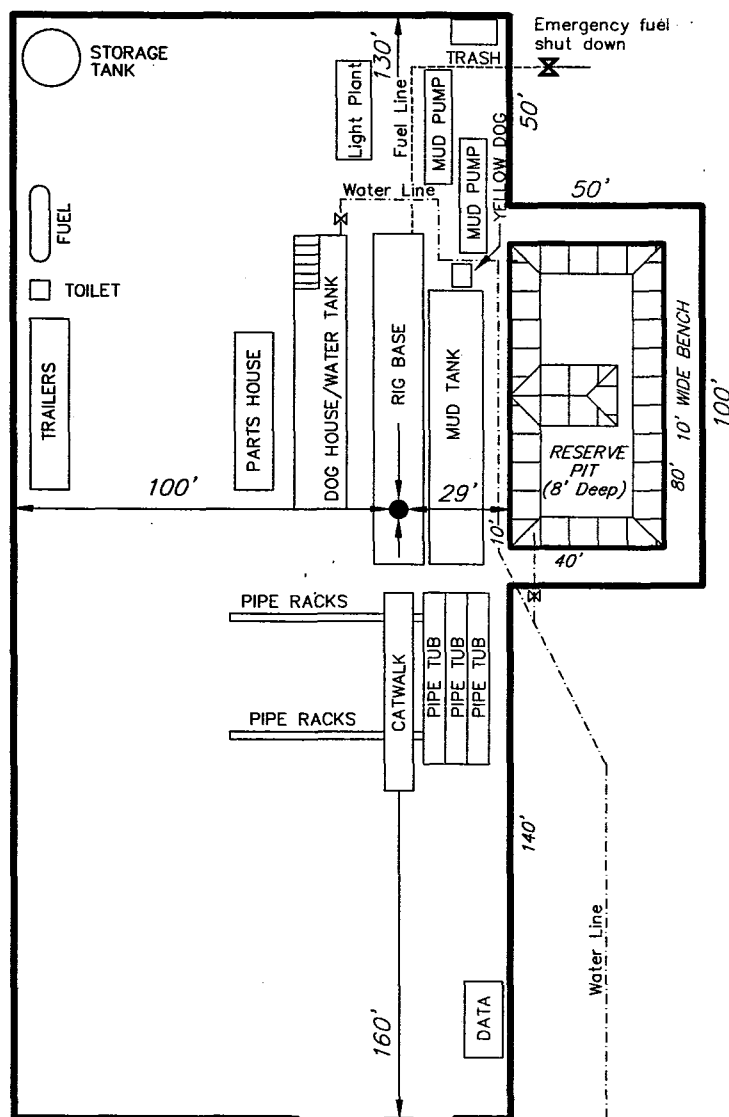
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: F.T.M.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

## JONAH UNIT 9-15



PROPOSED ACCESS  
ROAD (Max. 6% Grade)

SURVEYED BY: D.J.S.

SCALE:  $1'' = 50'$

DRAWN BY: F.T.M.

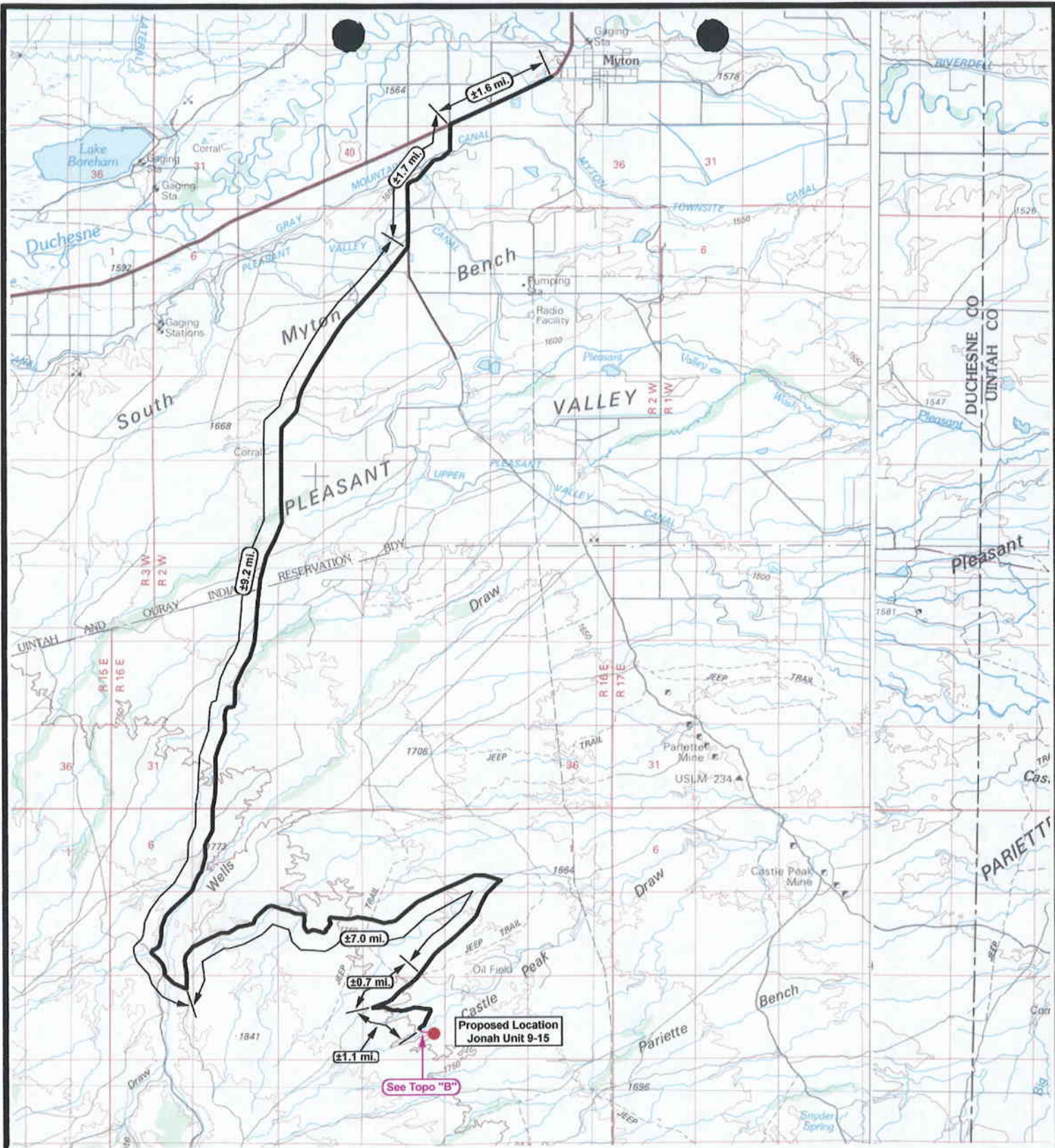
DATE: F.T.M.

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UT

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078





**Jonah Unit 9-15**  
**SEC. 15, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

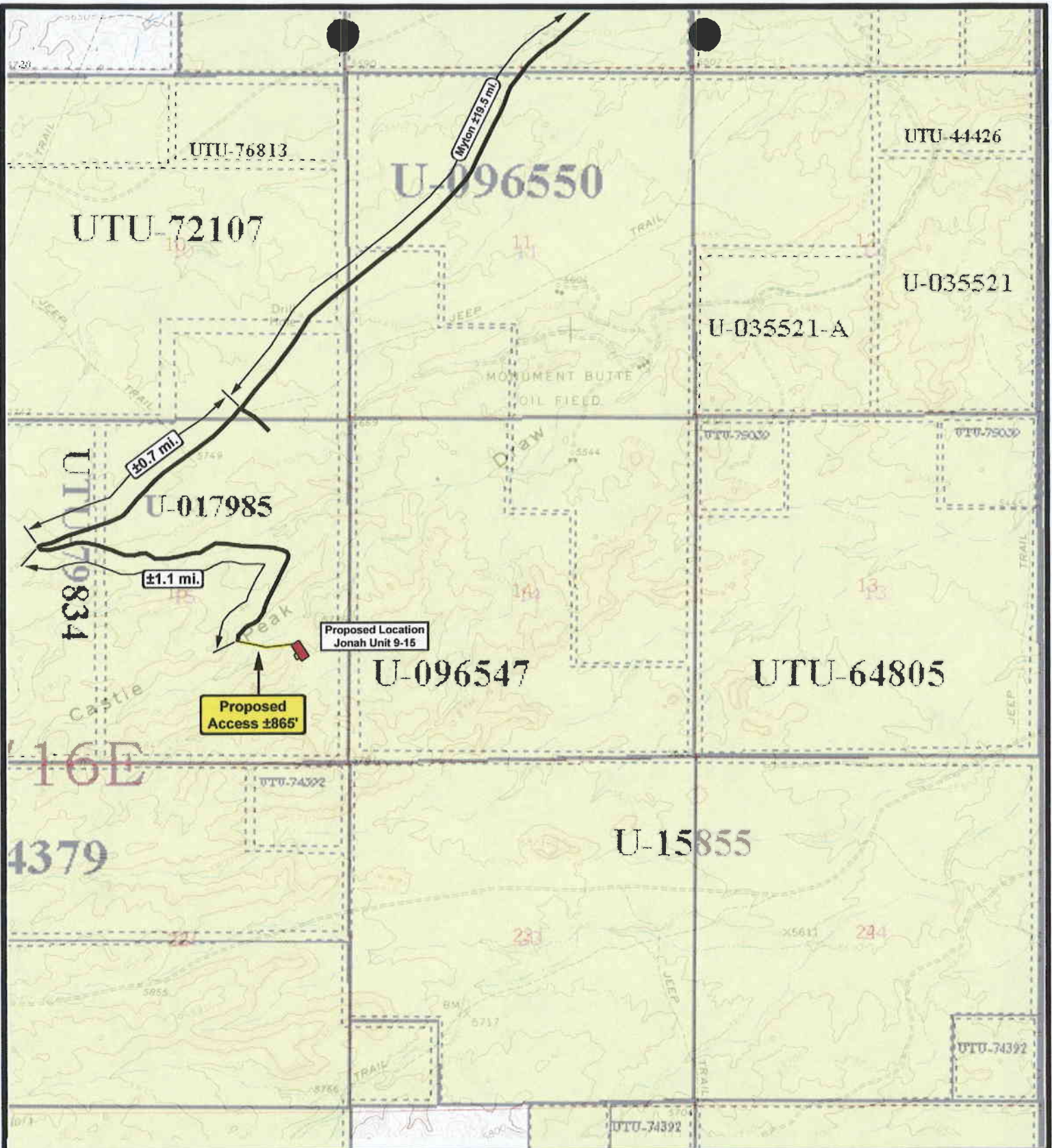
SCALE: 1" = 100,000'  
 DRAWN BY: bgm  
 DATE: 07-14-2004

**Legend**  
 — Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"A"**





**Jonah Unit 9-15**  
**SEC 15, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

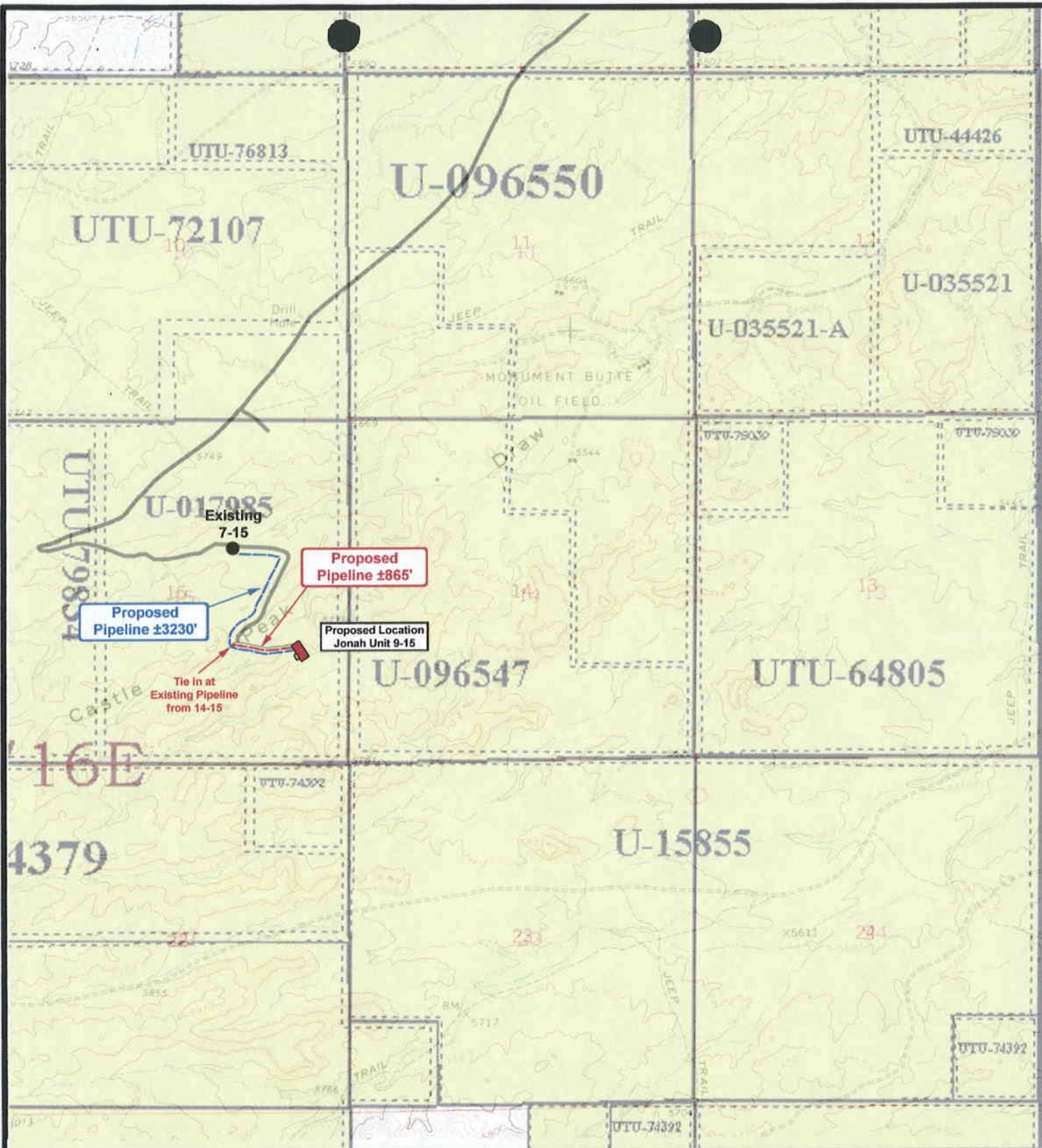
SCALE: 1" = 2000'  
 DRAWN BY: bgm  
 DATE: 07-14-2004

**Legend**  
 — Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"B"**





**Jonah Unit 9-15**  
**SEC 15, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: bgm

DATE: 07-14-2004

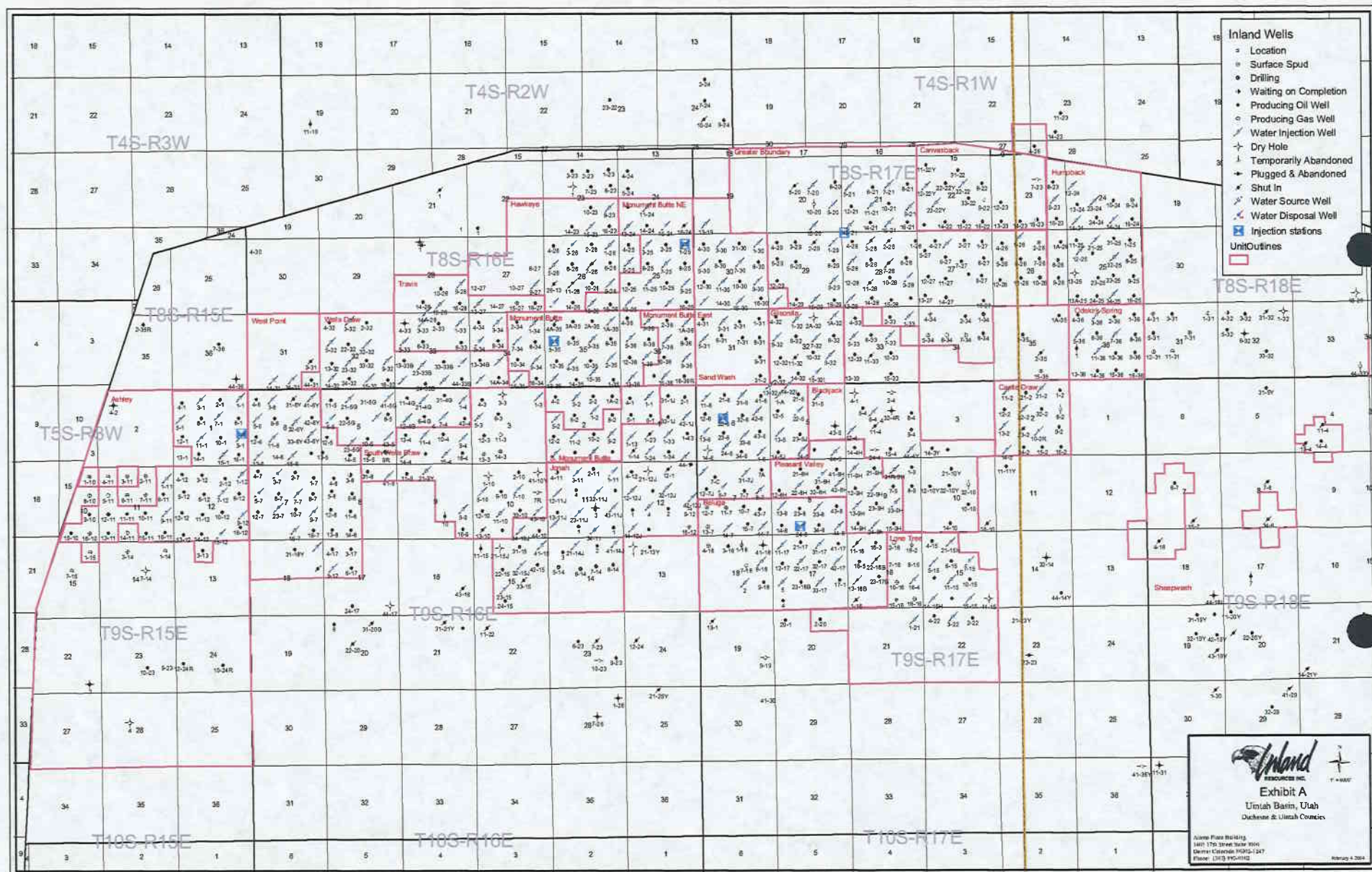
**Legend**

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

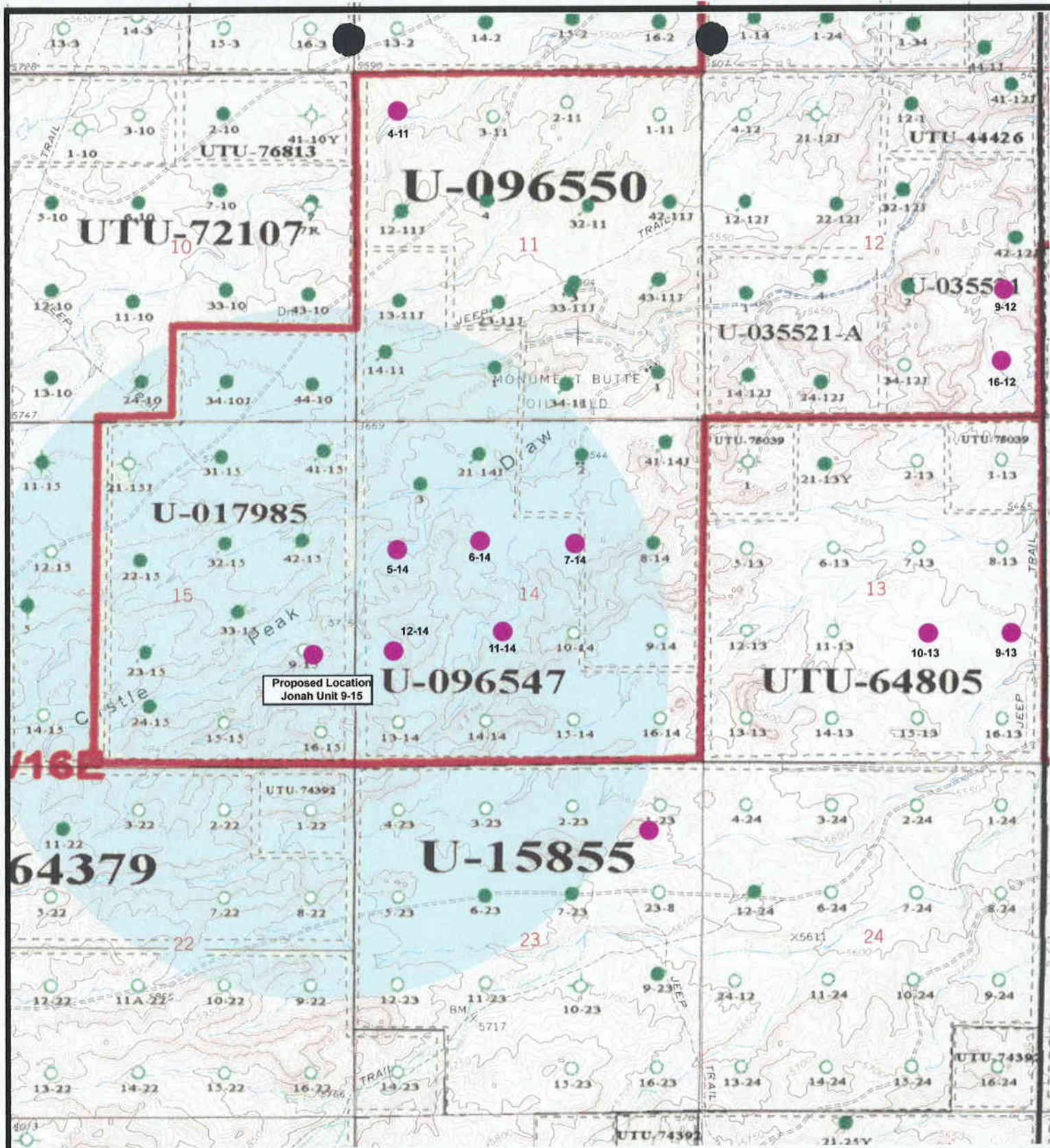
TOPOGRAPHIC MAP

**"C"**









**Jonah Unit 9-15**  
**SEC. 15, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: bgm  
 DATE: 07-14-2004

**Legend**

- Well Locations
- One Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

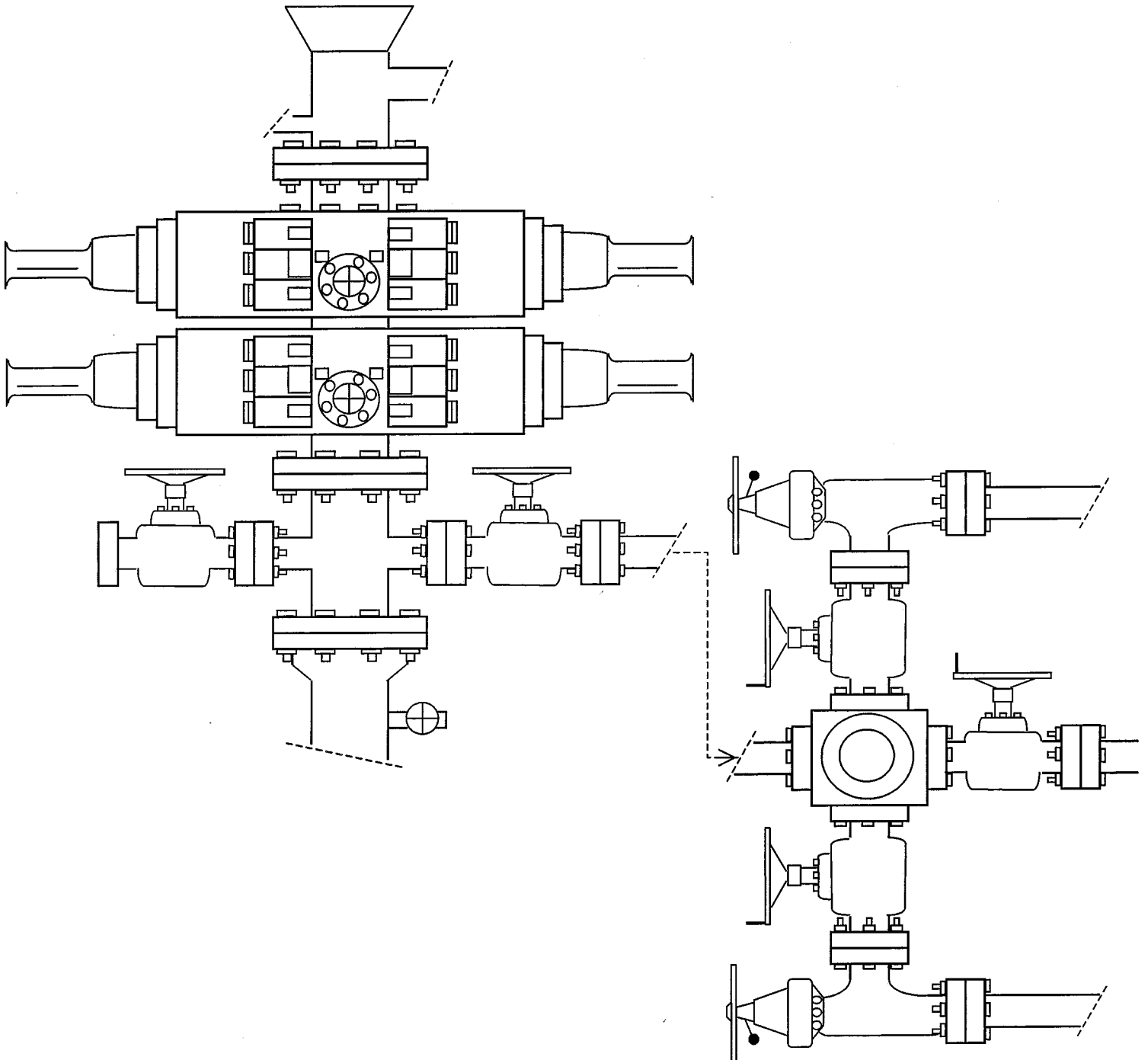


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)  
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

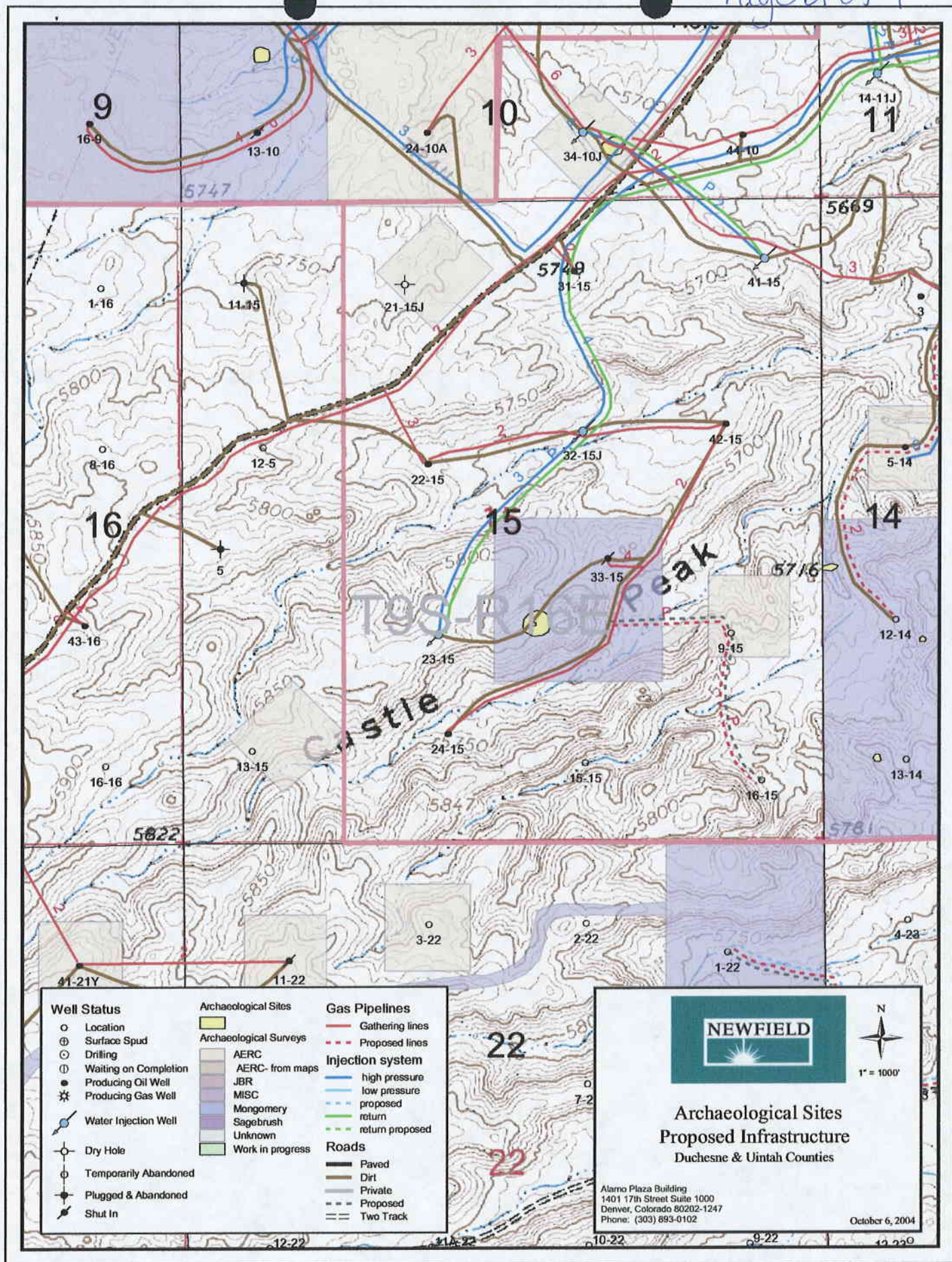
MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0328b





BALCRON OIL

Balcron Monument Federal #43-15J

NE SE Section 15, T9S, R16E, SLB&M

Duchesne County, Utah

H MF 43-15J

PALEONTOLOGY REPORT

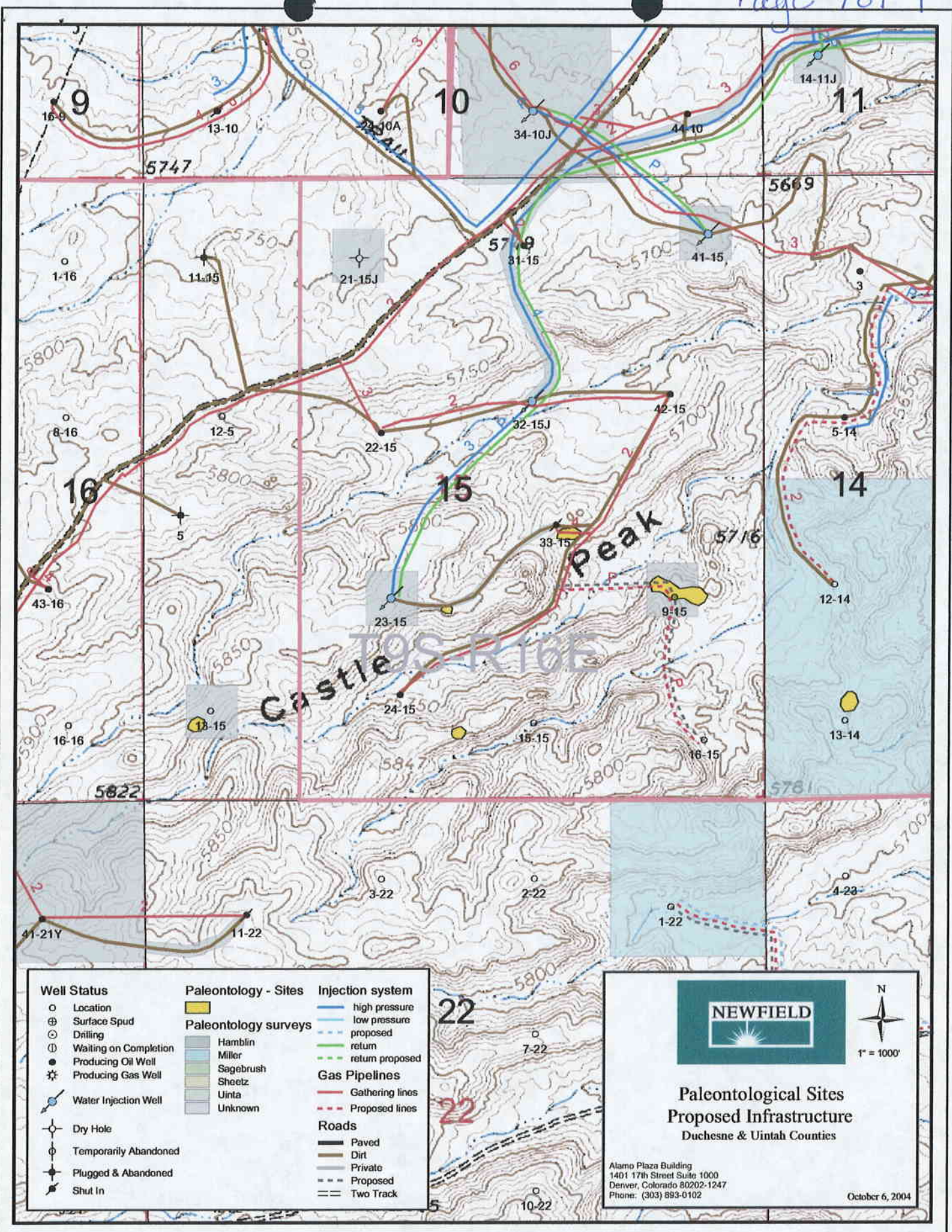
WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

OCTOBER 10, 1993







005

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/12/2004

API NO. ASSIGNED: 43-013-32683

WELL NAME: JONAH FED 9-15-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: LANA NEBEKER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NESE 15 090S 160E

SURFACE: 1724 FSL 0782 FEL

BOTTOM: 1724 FSL 0782 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-017985

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02827

LONGITUDE: -110.0982

## RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. MUNICIPAL )
- ☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- ☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

     R649-2-3.Unit JONAH (GREEN RIVER)     R649-3-2. GeneralSiting: 460' From Qtr/Qtr & 920' Between Wells     R649-3-3. Exception☒ Drilling UnitBoard Cause No: 328-2Eff Date: 7-16-1993Siting: 460' fr u bdy & 920' fr other wells     R649-3-11. Directional DrillCOMMENTS: Sep, Separate fileSTIPULATIONS: 1- Federal Approval



## NEWFIELD



October 11, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Jonah Fed 9-15-9-16  
1724 FSL, 782' FEL NESE Sec 15-T9S-16E  
Duschene Cty., Utah; Lease UTU-017985

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Inland Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 59' south of the drilling window tolerance for the NESE of Sec 15-T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected to avoid direct site of an eagle nest.

Please note the location is completely within Federal lease UTU-017985. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

Laurie Deseau  
Properties Administrator

RECEIVED  
OCT 14 2004

DIV OF OIL, GAS & MINING

## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

## IN REPLY REFER TO:

3160

(UT-922)

October 14, 2004

## Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2004 Plan of Development Jonah Unit, Duchesne  
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Green River)

43-013-32681	Jonah Federal 11-14-9-16 Sec 14 T09S R16E 2030 FSL 2160 FWL	
43-013-32682	Jonah Federal 12-14-9-16 Sec 14 T09S R16E 1816 FSL 0575 FWL	
43-013-32683	Jonah Federal 9-15-9-16 Sec 15 T09S R16E 1724 FSL 0782 FEL	

This office has no objection to permitting the wells at this time.

---

/s/ Michael L. Coulthard

bcc: File - Jonah Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:10-14-04



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Jonah Federal 9-15-9-16 Well, 1724' FSL, 782' FEL, NE SE, Sec. 15,  
T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32683.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Newfield Production Company  
**Well Name & Number** Jonah Federal 9-15-9-16  
**API Number:** 43-013-32683  
**Lease:** UTU-017985

**Location:** NE SE                      **Sec.** 15                      **T.** 9 South                      **R.** 16 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules; and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

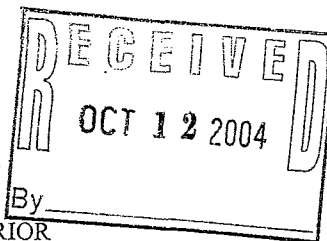
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

007

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No. UTU-017985
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. JONAH
8. Lease Name and Well No. Jonah Federal 9-15-9-16
9. API Well No. 43-013-32683
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NE/SE Sec. 15, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 1724' FSL 782' FEL At proposed prod. zone		
14. Distance in miles and direction from nearest town or post office* Approximately 21.3 miles south of Myton, Utah		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 782' f/lse, 1724' f/unit	16. No. of Acres in lease 560.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1,064'	19. Proposed Depth 6025'	20. BLM/BIA Bond No. on file UTU0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5698.0' GL	22. Approximate date work will start* 1st Quarter 2005	23. Estimated duration Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Lana Nebeker</i>	Name (Printed/Typed) Lana Nebeker	Date 10-8-04
Title Production Clerk		
Approved by (Signature) <i>Howard B. Cleavage</i>	Name (Printed/Typed)	Date 03/25/2005
Title Assistant Field Manager		

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED  
NOTICE OF APPROVAL  
APR 05 2005

DIV. OF OIL, GAS &amp; MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.

Well Name & Number: Jonah Federal 9-15-9-16

API Number: 43-013-32683

Lease Number: U-017985

Location: NESE Sec. 15 T. 9S R. 16E

Agreement: Jonah (GR) SR

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410



**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

No construction or drilling shall be allowed during the raptor nesting season of April 1 to July 15 without first consulting with the BLM wildlife biologist.

To reduce noise in the area, a hospital-type muffler or other similar device shall be installed on the pumping unit.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: JONAH FED 9-15-9-16

Api No: 43-013-32683 Lease Type: FEDERAL

Section 15 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### SPUDDED:

Date 06/01/05

Time NOON

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 06/01/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTOM, UT 84052**

OPERATOR ACCT. NO. **N2895**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11492	43-013-32683	Jonah Federal 9-15-9-16	NE/SE	15	9S	16E	Duchesne	6/01/2005	6/9/05
WELL 1 COMMENTS: <i>GRRU</i>											
A	99999	14754	43-013-32460	Ashley Federal 8-13-9-15	SE/NE	13	9S	15E	Duchesne	6/02/2005	6/9/05
WELL 2 COMMENTS: <i>GRRU</i>											
B	99999	12391	43-013-32628	Greater Boundary Fed 15-34-8-17	SW/SE	34	8S	17E	Duchesne	6/03/2005	6/9/05
WELL 3 COMMENTS: <i>GRRU</i>											
A	99999	14755	43-047-35452	Federal 13-7-9-18	SW/SW	7	9S	18E	Uintah	6/06/2005	6/9/05
WELL 4 COMMENTS: <i>GRRU</i>											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

*Kebbie S. Jones*  
Signature  
Kebbie S. Jones  
Production Clerk  
June 6, 2005  
Title Date

RECEIVED

JUN 06 2005

DIV. OF OIL, GAS & MINING

06/06/2005 15:07

K 4356463031 X

K INLAND

K

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1724 FSL 782 FEL

NE/SE Section 15 T9S R16E

5. Lease Serial No.

UTU017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 9-15-9-16

9. API Well No.

4301332683

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/1/2005 MIRU NDSI NS # 1. Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 314.57' KB On 6/2/2005 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Floyd Mitchell

Title

Drilling Supervisor

Signature

*Floyd Mitchell*

Date

06/03/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

JUN 13 2005

OFFICE OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8

CASING SET AT 314.57

LAST CASING 8 5/8" SET AT 314.73'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Jonah Federal 9-15-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.59'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.72
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			304.57
TOTAL LENGTH OF STRING		304.57	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>314.57</b>
TOTAL		302.72	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		302.72	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	6/1/2005	12:00 PM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		6/2/2005	10:00 AM	Bbls CMT CIRC TO SURFACE <u>5</u>			
BEGIN CIRC		6/2/2005	12:39 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		6/2/2005	12:51 PM				
BEGIN DSPL. CMT		6/2/2005	1:01 PM	BUMPED PLUG TO <u>724</u> PSI			
PLUG DOWN		6/2/2005	1:11 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Floyd Mitchell

DATE 6/3/2005

RECEIVED

JUN 13 2005

OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1724 FSL 782 FEL  
NE/SE Section 15 T9S R16E

5. Lease Serial No.

UTU017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 9-15-9-16

9. API Well No.

4301332683

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/7/05 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 271'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5860'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 138 jt's of 5.5 J-55, 15.5# csgn. Set @ 5849' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned all spacers to reserve pit. Nipple down Bop's. Drop slips @ 94,000 #'s tension. Release rig @ 6:00 AM on 6/13/05.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Ray Herrera

Signature

Title

Drilling Foreman

Date

06/13/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on reverse)

RECEIVED  
JUN 20 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5849.27

Flt cllr @

LAST CASING 8 5/8" SET AT 313.95

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Jonah 9-15-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # NDSI rig #2

TD DRILLER 5935 LOGGER

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3973' ( 5.65' )					
137	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5793.4
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.62
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	5851.27
TOTAL LENGTH OF STRING	5851.27	138	LESS CUT OFF PIECE	14
LESS NON CSG. ITEMS	15.25		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	254.49	6	CASING SET DEPTH	<b>5849.27</b>
TOTAL	6090.51	144		

TOTAL CSG. DEL. (W/O THRDS)	6090.51	144	} COMPARE	
TIMING	1ST STAGE	2nd STAGE		
BEGIN RUN CSG.	7:00 PM	6/12/2005	GOOD CIRC THRU JOB	Yes
CSG. IN HOLE	10:30 PM	6/12/2005	Bbls CMT CIRC TO SURFACE	50 of 50 dye water to pit
BEGIN CIRC	10:45 PM	6/12/2005	RECIPROCATED PIPE FOR	THRUSTROKE
BEGIN PUMP CMT	1:04AM	6/13/2005	DID BACK PRES. VALVE HOLD ?	yes
BEGIN DSPL. CMT	1:47 AM	6/13/2005	BUMPED PLUG TO	2070 PSI
PLUG DOWN	2:10 AM	6/13/2005		

CEMENT USED	CEMENT COMPANY-	B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	

RECEIVED

COMPANY REPRESENTATIVE Ray Herrera

DATE June 13, 2005

JUN 20 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1724 FSL 782 FBL

NE/SE Section 15 T9S R16E

5. Lease Serial No.

UTU017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 9-15-9-16

9. API Well No.

4301332683

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

RECEIVED  
JUL 12 2005

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 7-19-05  
Initials: CHO

Date: 7/14/05  
By: [Signature]

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

07/08/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1724 FSL 782 FEL

NE/SE Section 15 T9S R16E

5. Lease Serial No.

UTU017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 9-15-9-16

9. API Well No.

4301332683

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
JUL 12 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

07/08/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 1724' FSL & 782' FEL (NE/SE) Sec. 15, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32683 DATE ISSUED 10/18/04

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 6/1/05 16. DATE T.D. REACHED 6/12/05 17. DATE COMPL. (Ready to prod.) 7/7/05 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5698' GL 5710' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5860' 21. PLUG BACK T.D., MD & TVD 5805' 22. IF MULTIPLE COMPL. HOW MANY\* 23. INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION--TOP. BOTTOM. NAME (MD AND TVD)\*

Green River 4704'-5720'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	315'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5849'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5733'	TA @ 5636'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4&5) 5666'-5696', 5716'-5720'	.41"	4/136	5666'-5720'	Frac w/ 70,165# 20/40 sand in 559 bbls fluid
(CP1) 5428'-5446'	.41"	4/72	5428'-5446'	Frac w/ 57,169# 20/40 sand in 486 bbls fluid
&LODC) 4998'-5003', 5014'-18', 5114'-18'	.41"	4/52	4998'-5118'	Frac w/ 34,026# 20/40 sand in 343 bbls fluid
(B2) 4820'-27', 4832'-36', 4851'-57'	.41"	4/68	4820'-4857'	Frac w/ 49,623# 20/40 sand in 426 bbls fluid
(C) 4704'-4720'	.41"	4/64	4704'-4720'	Frac w/ 88,671# 20/40 sand in 632 bbls fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION 7/7/05		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 77	GAS--MCF. 11	WATER--BBL. 59	GAS-OIL RATIO 143
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
RECEIVED								

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Mandie Crozier*  
Mandie Crozier

TITLE Div. of Oil, Gas & Mining Regulatory Specialist

DATE 8/8/2005

MC

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah Federal 9-15-9-16	Garden Gulch Mkr	3526'	
				Garden Gulch 1	3735'	
				Garden Gulch 2	3844'	
				Point 3 Mkr	4111'	
				X Mkr	4361'	
				Y-Mkr	4498'	
				Douglas Creek Mkr	4522'	
				BiCarbonate Mkr	-----	
				B Limestone Mkr	4866'	
				Castle Peak	5381'	
				Basal Carbonate	5821'	
				Total Depth (LOGGERS)	5850'	

**DIVISION OF OIL, GAS AND MINING**  
**UNDERGROUND INJECTION CONTROL PROGRAM**  
**PERMIT**  
**STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Jonah Federal 9-15-9-16

**Location:** 15/9S/16E      **API:** 43-013-32683

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Jonah Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Jonah Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 303 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5,860 feet. A cement bond log demonstrates adequate bond in this well up to 2,995 feet. A 2 7/8 inch tubing with a packer will be set at 4,669. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells and 2 injection wells in the area of review. All of the wells have evidence of adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 2,700 feet. Injection shall be limited to the interval between 3,844 feet and 5,821 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 9-15-9-16 well is .75 psi/ft. which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,788 psig. The requested maximum pressure is 1,788 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Jonah Fed. 9-15-9-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Jonah Unit January 13, 1993 . Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date 09/19/2006

[illegible]



March 17, 2006

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Jonah Federal #9-15-9-16  
Monument Butte Field, Jonah Unit, Lease #UTU-017985  
Section 15 -Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #9-15-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Jonah Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

David Gerbig  
Operations Engineer

RECEIVED

MAR 29 2006

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH FEDERAL #9-15-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**JONAH UNIT**  
**LEASE #UTU-017985**  
**MARCH 17, 2006**



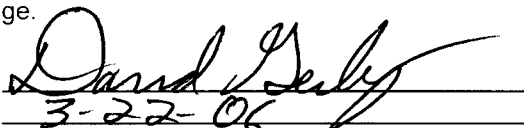
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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1401 17th Street, Suite 1000  
Denver, Colorado 80202

Well Name and number:		<u>Jonah Federal #9-15-9-16</u>	
Field or Unit name:		<u>Monument Butte (Green River), Jonah Unit</u>	Lease No. <u>UTU-017985</u>
Well Location: QQ <u>NE/SE</u> section <u>15</u> township <u>9S</u> range <u>16E</u> county <u>Duchesne</u>			
Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]			
Will the proposed well be used for:			
Enhanced Recovery? . . . . .		Yes [ X ] No [ ]	
Disposal? . . . . .		Yes [ ] No [ X ]	
Storage? . . . . .		Yes [ ] No [ X ]	
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]			
If this application is for an existing well, has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]			
Date of test: _____			
API number: <u>43-013-32683</u>			
Proposed injection interval: from <u>3844'</u> to <u>5821'</u>			
Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1788</u> psig			
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">IMPORTANT: Additional information as required by R615-5-2 should accompany this form.</div>			
List of Attachments: <u>Attachments "A" through "H-1"</u>			
I certify that this report is true and complete to the best of my knowledge.			
Name: <u>David Gerbig</u>		Signature <u></u>	
Title: <u>Operations Engineer</u>		Date <u>3-22-06</u>	
Phone No. <u>(303) 893-0102</u>			
(State use only)			
Application approved by _____		Title _____	
Approval Date _____			
Comments:			

# Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
Put on Production: 7-7-05  
GL: 5698' KB: 5710'

Initial Production: 77 BOPD,  
11 MCFD, 59 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jnts (302.72')  
DEPTH LANDED: 314.57' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5836.02')  
DEPTH LANDED: 5849.27' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 460'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 180 jts (5623.86')  
TUBING ANCHOR: 5635.86' KB  
NO. OF JOINTS: 1 jts (30.31')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5668.97' KB  
NO. OF JOINTS: 2 jts (62.70')  
TOTAL STRING LENGTH: EOT @ 5733.22' KB

### FRAC JOB

6-30-05 5666-5696' **Frac CP5 & CP4 sands as follows:**  
70165# 20/40 sand in 559 bbls Lightning 17  
frac fluid. Treated @ avg press of 1230 psi  
w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc  
flush: 5664 gal. Actual flush: 5670 gal.

6-30-05 5428-5446' **Frac CP1 sands as follows:**  
57169# 20/40 sand in 486 bbls Lightning 17  
frac fluid. Treated @ avg press of 1346 psi  
w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc  
flush: 5426 gal. Actual flush: 5418 gal.

7-1-05 4998-5118' **Frac LODC, A1, A3 sands as follows:**  
34026# 20/40 sand in 343 bbls Lightning 17  
frac fluid. Treated @ avg press of 1820 psi  
w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc  
flush: 5996 gal. Actual flush: 4738 gal.

7-1-05 4820-4857' **Frac B2 sands as follows:**  
49623# 20/40 sand in 426 bbls Lightning 17  
frac fluid. Treated @ ave. pressure of 1590  
24.5 BPM. ISIP 2000 psi. Calc  
flush: 4818 gal. Actual flush: 4578 gal.

7-1-05 4704-4720' **Frac C sands as follows:**  
88671# 20/40 sand in 632 bbls Lightning 17  
frac fluid. 24.5 BPM. Treated @ ave.  
pressure of 1714 ISIP 2000 psi. Calc  
flush: 4402 gal. Actual flush: 4607 gal

Cement top @ 460'

Anchor @ 4669'

4704-4720'

4820-4827'

4832-4836'

4851-4857'

4998-5003'

5014-5018'

5114-5118'

5428-5446'

5666-5696'

5716-5720'

PBTD @ 5805'

SHOE @ 5849'

TD @ 5860'

### PERFORATION RECORD

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes

**NEWFIELD**

**Jonah Federal 9-15-9-16**

1724' FSL & 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co. Utah

API #43-013-32683; Lease #UTU-017985

MC 3 1406

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Jonah Federal #9-15-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Jonah Unit.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Jonah Federal #9-15-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (3844' - 5821'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 3844' and the Castle Peak top at 5381'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jonah Federal #9-15-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #UTU-017985) in the Monument Butte (Green River) Field, Jonah Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 315' GL. and 5-1/2" 15.5# J-55 casing run from surface to 5849' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1788 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Jonah Federal #9-15-9-16, for existing perforations (4704' - 5720') calculates at 0.75 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1788 psig. We may add additional perforations between 3844' and 5850'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Jonah Federal #9-15-9-16, the proposed injection zone (3844' - 5821') is in the Garden Gulch to Basal limestone members of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

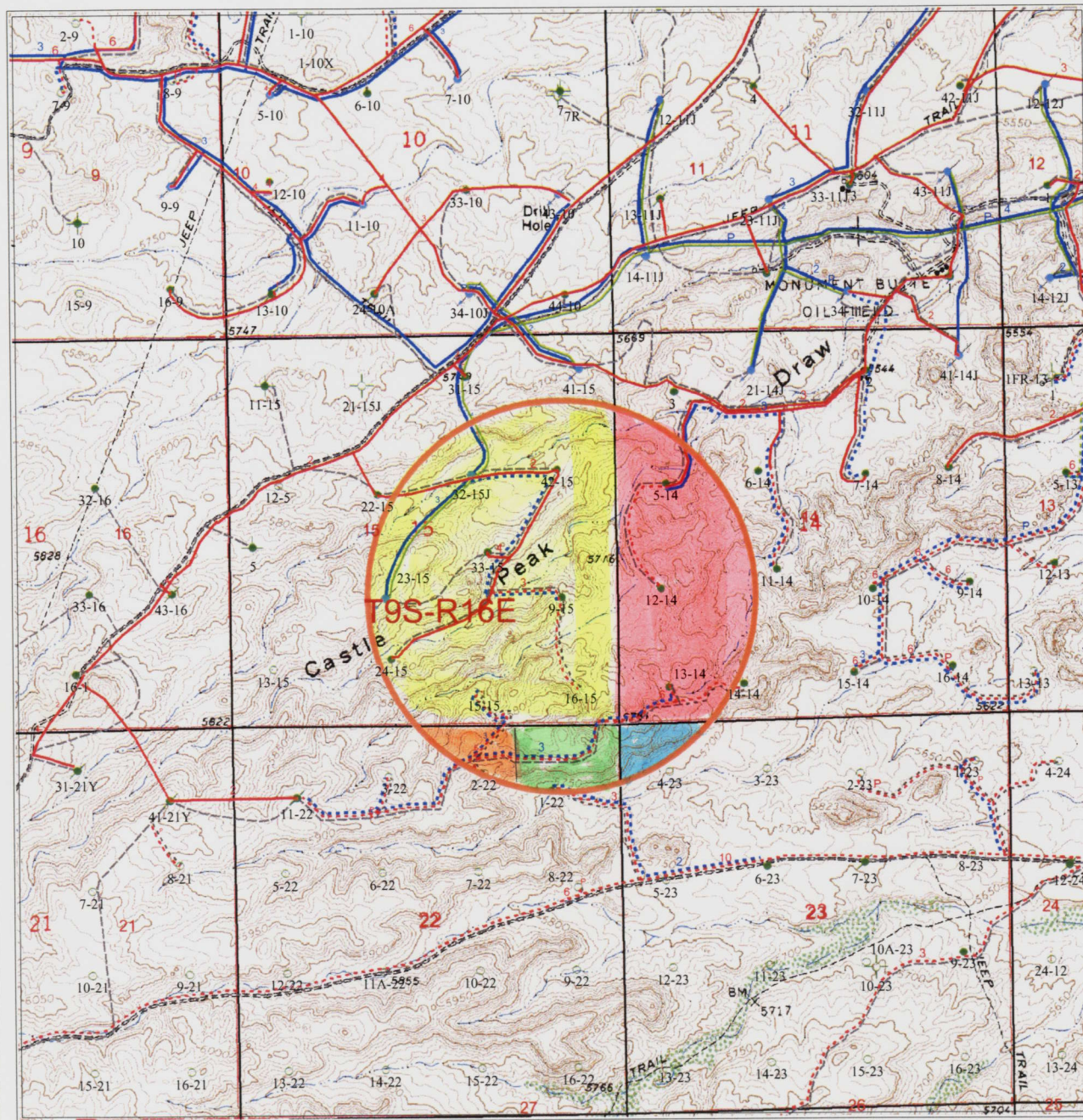
**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





- Well Status**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Gas Pipelines**
- Gathering lines
  - Proposed lines
  - Mining tracts
  - 9-15-9-16 1/2mile radius

UTU-017985

UTU-4TU-74392

UTU-096547

UTU-15855

UTU-64379

Attachment A

Jonah 9-15-9-16  
Section 15, T9S-R16E



1/2 Mile Radius Map  
Duchesne County

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 693-0102

February 17, 2006

*INLAND PRODUCTION COMPANY*

Attachment A-1




STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 18237  
STATE OF UTAH

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SURVEYED BY: D.J.S.

DRAFTED BY: F.T.M.

FILE #

 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

# EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 10: S/2SE/4 Section 15: E/2, E/2W/2	UTU-017985 HBP	Newfield Production Company	(Surface Rights) USA
2	<u>Township 9 South, Range 16 East</u> Section 11: W/2SW/4, SE/4SW/4 Section 14: SW/4NE/4, SE/4SE/4, W/2SE/4, W/2	UTU-096547 HBP	Newfield Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 23: E/2, NW/4, E/2SW/4, NW/4SW/4 Section 24: N/2, SW/4, N/2SE/4, SW/4SE/4	UTU-15855 HBP	Newfield Production Company El Paso Production Oil & Gas Co. Rust to Gold, LLC	(Surface Rights) USA

# EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	<u>Township 9 South, Range 16 East</u> Section 21: S/2 Section 22: NE/4NE/4, S/2 Section 23: SW/4SW/4 Section 24: SE/4SE/4 Section 26: NE/4NE/4 Section 27: All Section 28: All	UTU-74392 HBP	Newfield Production Company Yates Petroleum Corporation Yates Drilling Company Myco Industries, Inc. ABO Petroleum Corporation	(Surface Rights) USA
5	<u>Township 9 South, Range 16 East</u> Section 8: SW/4NE/4, SE/4 Section 9: SW/4SW/4 Section 17: NE/4 Section 18: Lots 3, 4, E/2SW/4, SE/4 Section 19: Lots 1, 2, NE/4, E/2NW/4 Section 21: N/2 Section 22: W/2NE/4, SE/4NE/4, NW/4	UTU-64379 HBP	Newfield Production Company Yates Petroleum Corporation	(Surface Rights) USA




ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #9-15-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

  
Newfield Production Company  
David Gerbig  
Operations Engineer

Sworn to and subscribed before me this 20 day of March, 2006.

Notary Public in and for the State of Colorado: \_\_\_\_\_



**My Commission Expires**  
**05/05/2009**

My Commission Expires: \_\_\_\_\_

## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD,  
 11 MCFD, 59 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (302.72')  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 180 jnts (5623.86')  
 TUBING ANCHOR: 5635.86' KB  
 NO. OF JOINTS: 1 jnts (30.31')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5668.97' KB  
 NO. OF JOINTS: 2 jnts (62.70')  
 TOTAL STRING LENGTH: EOT @ 5733.22' KB

SUCKER RODS

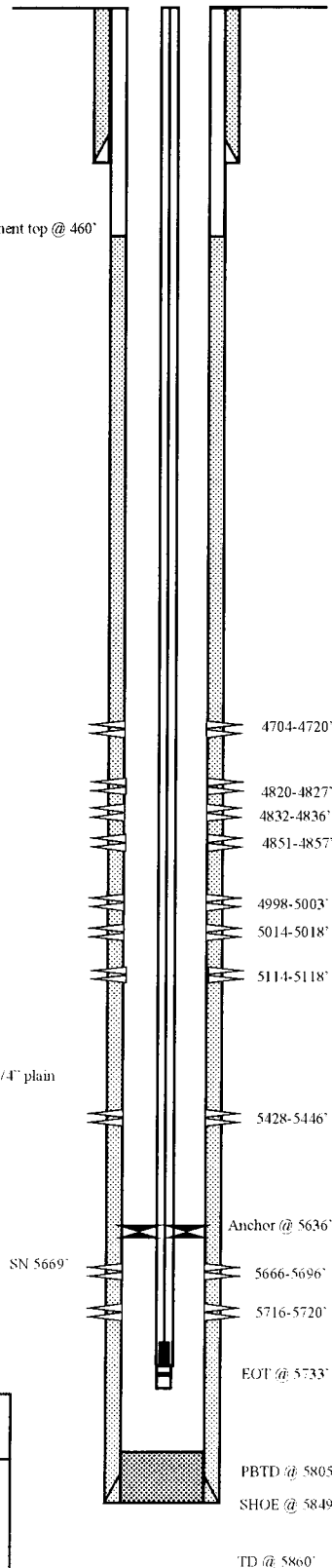
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2" x 3/4" pony rods, 100-3/4" scraped rods, 110-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM

FRAC JOB

6-30-05	5666-5696'	<b>Frac CP5 &amp; CP4 sands as follows:</b> 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid. Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc flush: 5664 gal. Actual flush: 5670 gal.
6-30-05	5428-5446'	<b>Frac CP1 sands as follows:</b> 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid. Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc flush: 5426 gal. Actual flush: 5418 gal.
7-1-05	4998-5118'	<b>Frac LODC, A1, A3 sands as follows:</b> 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc flush: 5996 gal. Actual flush: 4738 gal.
7-1-05	4820-4857'	<b>Frac B2 sands as follows:</b> 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid. Treated @ ave. pressure of 1590 24.5 BPM. ISIP 2000 psi. Calc flush: 4818 gal. Actual flush: 4578 gal.
7-1-05	4704-4720'	<b>Frac C sands as follows:</b> 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid. 24.5 BPM. Treated @ ave. pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal. Actual flush: 4607 gal

PERFORATION RECORD

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes

**NEWFIELD****Jonah Federal 9-15-9-16**

1724' FSL &amp; 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32683. Lease #UTU-017985

## Monument Fed. #32-15J-9-16

Spud Date: 10/02/93  
 Put on Production: 11/20/93  
 Put on Injection: 11/11/94  
 GL: 5681' KB: 5691'

Initial Production: 20 BOPD,  
 120 MCFD, 0 BWPD

SURFACE CASING

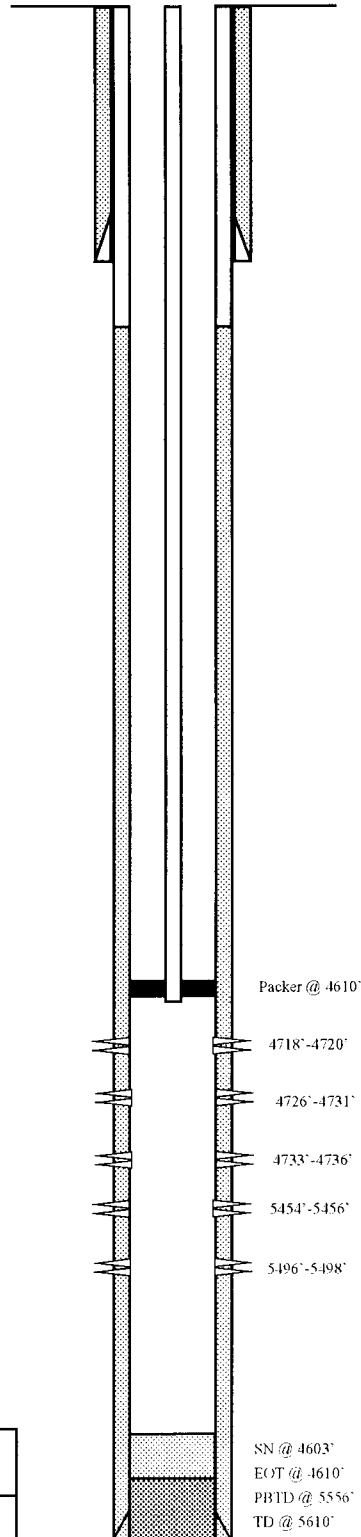
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (268.89')  
 DEPTH LANDED: 276.69' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 129 jts. (5608.14')  
 DEPTH LANDED: 5612.14' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 113 sxs Hi-Lift & 249 sxs Class "G".  
 CEMENT TOP AT: 3100' per CBL

TUBING


SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 149 jts (4592.73')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4603.83' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4604.43' KB  
 PACKER: 4610.63' KB  
 TOTAL STRING LENGTH: EOT @ 4610.63'

Injection Wellbore  
DiagramFRAC JOB

**10/25/93 5496'-5498' Acidize zone as follows:**  
 250 gal. 15% HCl.  
**10/27/93 5454'-5456' Acidize zone as follows:**  
 250 gal. 15% HCl.  
**10/28/93 4718'-4736' Frac zone as follows:**  
 28,000# 20/40 sand in 335 bbl 2% KCl. Avg. treating press. 2100 psi @ 20 BPM. ISIP 1800 psi. Calc. flush: 4718 gal. Actual flush: 4744 gal.

PERFORATION RECORD

10/25/93	5496'-5498'	2 JSPF	04 holes
10/26/93	5496'-5498'	2 JSPF	04 holes
10/26/93	5454'-5456'	2 JSPF	08 holes
10/27/93	4733'-4736'	2 JSPF	06 holes
10/27/93	4726'-4731'	2 JSPF	10 holes
10/27/93	4718'-4720'	2 JSPF	04 holes



**Inland Resources Inc.**

**Monument Fed. #32-15-9-16**

1868' FNL & 1993' FEL

SWNE Section 15-T9S-R16E

Duchesne Co. Utah

API #43-013-31368; Lease #UTU-017985

## Castle Peak Federal 42-15

GL: 5657' KB: 5670'

Initial Production: BOPD,  
MCFPD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 285'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 220 sxs Class H

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5921.92'  
 DEPTH LANDED: 5920.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 500 sxs Class G & 675 sxs RFC  
 CEMENT TOP AT: 2250'

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 179 jts. (5590.57')  
 TUBING ANCHOR: 5605'  
 NO. OF JOINTS: 2 jts. (62.33')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5670'  
 PERF JT: 1 jt (31.82')  
 NO. OF JOINTS: 2 jts. (62.61')  
 TOTAL STRING LENGTH: EOT @ 5766'

SUCKER RODS

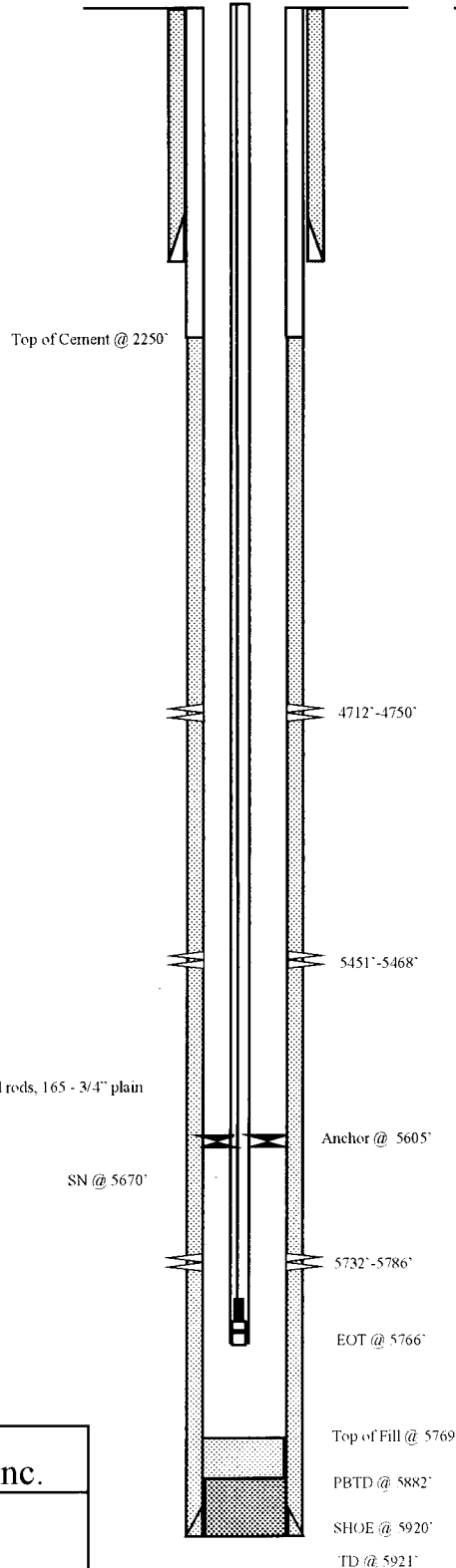
POLISHED ROD: 1 1/4" x 22'  
 SUCKER RODS: 6- 1" scraped rods, 54 - 3/4" scraped rods, 165 - 3/4" plain rods, 1 - 3/4" scraped rod, 1-8" & 2-6" pony rods.  
 PUMP LENGTH: 2 1/2" x 1 1/2" x 16" RHAC  
 STROKE LENGTH: 76"  
 PUMP SPEED, SPM: 4  
 LOGS: DIL/SFL/FDC/CNL/CBL

FRAC JOB

4/8/82 5732'-5786' 60,712 gal Apollo 30 w/ 75,000# 20/40 sand and 20,000# 10/20 sand. ATP= 1800 psi, ATR= 30.0 bpm, ISIP= 1600 psi, 15= 1400 psi, 30 min= 1400 psi.  
 4/11/82 5622'-5640' 27,000 gal Apollo 30 w/40,000# 20/40 sand. ATP= 2100 psi, ATR= 26 bpm, ISIP= 2200 psi, 15 min= 1400 psi, 20 min= 1300 psi.  
 4/15/82 5451'-5468' 13,000 gal Apollo 30 w/11,000# 20/40 sand and 12,000# 10/20 sand. ATP= 1900 psi, ATR= 25 bpm, ISIP= 1600 psi, 15 min= 1460 psi, 20 min= 1400 psi.  
 4/17/82 4712'-4750' 43,000 gal Apollo 30 w/20,000# 20/40 sand and 20,000# 10/20 sand. ATP=1950 psi, ATR= 30 bpm, ISIP= 1200 psi, 15 min= 1625 psi, 20 min= 1560 psi.  
 6/4/04 Stuck plunger. Update rod and tubing details.

PERFORATION RECORD

4/7/82	5732'-5786'	1 JSPF	55 holes
4/11/82	5622'-5640'	2 JSPF	37 holes
4/14/82	5451'-5468'	2 JSPF	
4/16/82	4712'-4750'	2 JSPF	



**Inland Resources Inc.**

**CASTLE PEAK FEDERAL 42-15**

1820' FNL & 820' FEL

SE/NE Section 15, T9S R16E

DUCHESNE CO, UTAH

API #43-013-30633; LEASE #U-017985



## Castle Peak Federal #33-15

Wellbore Diagram

Elev GL @ 5745'  
Elev KB @ 5759' (14' KB)

## SURFACE CASING

8 5/8", 24#, K-55  
6 jts @ 243.35'  
Landed @ 253' KB  
Hole Size @ 12 1/4"  
Cemented w/200 sx Class G w/ 2%  
CaCl & 1/4#/sx Flocele. Cemented  
to surface.

TOC @ 224' ---

253' KB ---&gt;

## PRODUCTION CASING

5 1/2", 15.5#, K-55  
143 jts @ 5981'  
Landed @ 5979' KB  
Hole Size @ 7 7/8"  
Cemented w/645 sx Class G & 750  
sx 10.0 RFC w/ additives.  
Cement Top @ 224' from CBL

## TUBING

SIZE/GRADE/WT.: 2 3/8", 4.7 lbs  
NO. OF JOINTS: 170 jts. @ 5163'  
TUBING ANCHOR: 2-3/8"x5-1/2"x2.75'  
NO. OF JOINTS: 20 jts. @ 626.61'  
SEATING NIPPLE: 2 3/8" x 1.1'  
PERF. SUE: 2-3/8"x4.00'  
MUD ANCHOR: 2 3/8" x 30'  
TOTAL STRING LENGTH: 5843'  
SN LANDED AT: 5807' KB

1 - 1-1/4" x 16' Polish Rod  
1-3/4"x2' Pony  
2-3/4"x4' Pony  
2-3/4"x6' Pony  
219-3/4"x25' Slick Rods  
11-3/4"x25' W/2" guides

2" x 1 1/2" x 14' RWBC

STROKE LENGTH:

PUMP SPEED, SPM:

PUMPING UNIT SIZE: Lufkin MarkII M114D 173-74  
Unit serviced 10-6-92  
S/N E97711A1-456676  
Ajax EA-30 engine  
S/N 79361

## ACID JOBS

5217'-5230' KB 1000 gal 7.5% HCl  
5471'-5543' KB 2000 gal 7.5% HCl  
5656'-5776' KB 1000 gal 7.5% HCl

## FRAC JOBS

5217'-5230' KB 5-16-82: w/Western. 20000 gal Apollo 40  
w/28500# 20-40 sand & 12000# 10-20 sand.  
ATR 10 BPM @ 2500 psi, max 2600 psi. ISIP  
@ 2450 psi, 15 - 2200 psi, 20 - 2200 psi.  
5471'-5543' KB 5-16-82: w/Western. 50000 gal Apollo 40  
w/75000# 20-40 sand & 20000# 10-20 sand.  
ATR 20 BPM @ 1700 psi, max 1800 psi. ISIP  
@ 1700 psi, 15 - 1600 psi, 20 - 1550 psi.  
5656'-5776' KB 5-14-82: w/Western. 3850 gal Apollo 40  
w/32000# 20-40 sand. 8 Ball sealers pumped  
sand screened out before balls hit perfor.  
ATR 10 BPM @ 1600 psi, max 3800 psi.  
ISIP 800 psi, 15 - 0.

## PERFORATION RECORD

5217'-5230' (12')	(2 OFF)	RF
5471'-5505' (32')	(2 OFF)	BLUE1
5522'-5543' (21')	(2 OFF)	BLUE2
5656'-5664' (8')	(2 OFF)	BLUE3
5760'-5776' (16')	(1 OFF)	BLUE4

CN Landed @ 5807' KB  
PETC @ 5824' KB  
TD @ 5860' KB



Inland Resources Inc.

CASTLE PEAK FEDERAL #33-15  
Jonah Unit/Monument Butte Fie.  
Lease No. U-017985  
NW SE Sec. 15, T9S, R16E  
Duchesne Co., Utah

## Monument Fed. #23-15-9-16

Spud Date: 10/06/93  
 Put on Production: 11/30/93  
 Put on Injection: 11/11/94  
 GL: 5828' KB: 5838'

Initial Production: 40 BOPD,  
 200 MCFD, 56 BWPD

SURFACE CASING

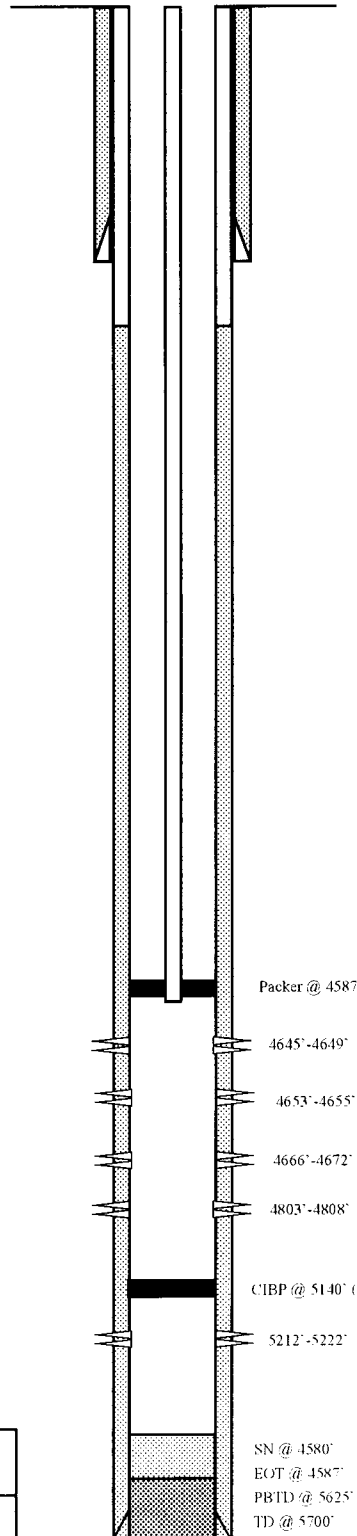
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (270.52')  
 DEPTH LANDED: 278.25' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5666.71')  
 DEPTH LANDED: 5675.71' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 100 sxs Hi-Fill & 250 sxs 50/50 POZ.  
 CEMENT TOP AT: 2490' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jts (4569.94')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4580.99' KB  
 2 7/8" x 2 3/8" CROSSOVER: 4581.74' KB  
 PACKER: 4587.94' KB  
 TOTAL STRING LENGTH: EOT @ 4587.94'

Injection Wellbore  
DiagramFRAC JOB

**11/03/93 5212'-5222'** Frac zone as follows:  
 20,700# 16/30 sand in 380 bbls 2% KCl.  
 Screened out.

**11/11/93 4645'-4808'** Frac zone as follows:  
 39,890# 16/30 sand in 637 bbl KCl. Avg.  
 treating press. 2800 psi @ 19.5 BPM. ISIP  
 1890 psi. Calc. flush: 4645 gal. Actual flush:  
 4494 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
11/01/93	5216'-5220'	2 JSPF	08 holes
11/03/93	5212'-5222'	4 JSPF	40 holes
11/09/93	4803'-4808'	1 JSPF	05 holes
11/09/93	4666'-4672'	1 JSPF	04 holes
11/09/93	4653'-4655'	1 JSPF	02 holes
11/09/93	4645'-4649'	1 JSPF	03 holes
10/12/94	4666'-4672'	2 JSPF	12 holes
10/12/94	4653'-4655'	2 JSPF	04 holes
10/12/94	4645'-4649'	2 JSPF	08 holes

**Inland Resources Inc.**  
**Monument Fed. #23-15-9-16**  
 1724' FSL & 2078' FWL  
 NESW Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31373; Lease #UTU-76241

## Castle Peak #24-15-9-16

Spud Date:  
Put on Production:  
GL: 5770' KB: 5783'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 7 jts. (261')  
DEPTH LANDED: 274'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 200 sxs Type II cement. Returns to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5870.46')  
DEPTH LANDED: 5867'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Dowell HiLift & 475 sxs 10-0 PFC.  
CEMENT TOP AT: 920' per CBL

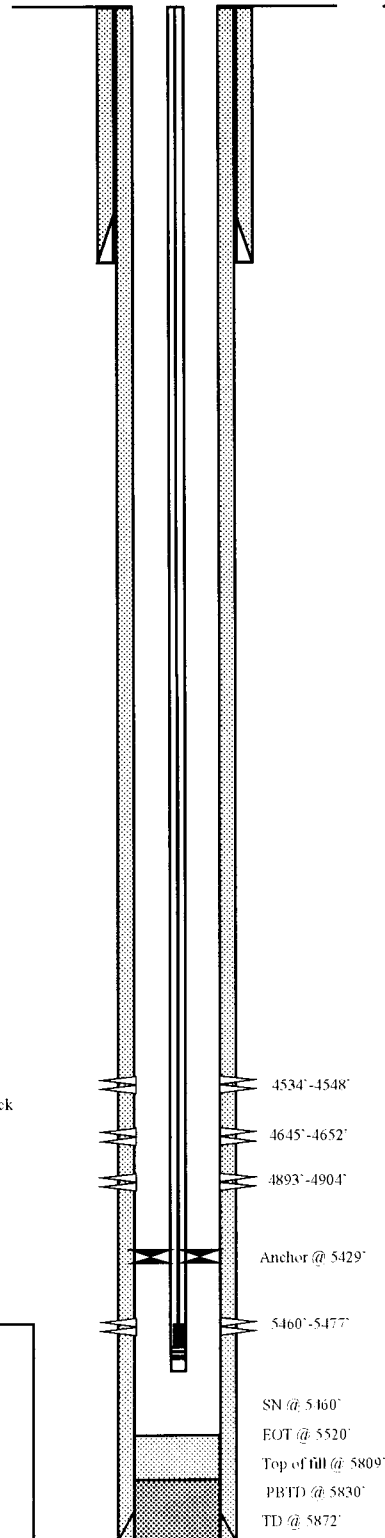
TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#  
NO. OF JOINTS: 181 jts (5413.78')  
TUBING ANCHOR: 5429.63'  
NO. OF JOINTS: 1 jt (29.51')  
SEATING NIPPLE: 2-3/8" (1.10')  
SN LANDED AT: 5460.24' KB  
NO. OF JOINTS: 2 jts (60.12')  
TOTAL STRING LENGTH: EOT @ 5520.76'

SUCKER RODS

POLISHED ROD: 1-1/4" x 16" SM  
SUCKER RODS: 4 - 1 1/2" wt bars, 27-3/4" scraped rods; 101-3/4" slick rods, 85-3/4" scraper rods, 1-6", 1-2" x 3/4" pony rods.  
PUMP SIZE: 2" x 1-1/4" x 15" RHAC  
STROKE LENGTH: 56"  
PUMP SPEED, SPM: 4 SPM  
LOGS: DIGL/SP/GR/CAL

## Wellbore Diagram



Initial Production: ? BOPD,  
? MCFD, ? BWPD

FRAC JOB

Date	Depth Range	Fracture Details
7/19/82	5460'-5477'	<b>Frac zone as follows:</b> 30,500# 20/40 + 6,000# 10-20 sand in 643 bbls Ver 140 fluid. Treated @ avg press of 1650 psi w/avg rate of 15 BPM. ISIP 1620 psi.
8/08/82	4893'-4904'	<b>Frac zone as follows:</b> 19,500# 20/40 + 6,000# 10-20 sand in 560 bbls Ver 140 fluid. Treated @ avg press of 2000 psi w/avg rate of 10 BPM. ISIP 2120 psi.
8/21/82	4534'-4548'	<b>Frac zone as follows:</b> 44,500# 20/40 + 12,000# 10-20 sand in 905 bbls Ver 140 fluid. Treated @ avg press of 2600 psi w/avg rate of 15 BPM. ISIP 1920 psi.
11/6/01		Tbg leak. Update rod and tubing details.
11/20/01		Pump change. Update rod details.
5-31-05		Pump change. Update rod details.

PERFORATION RECORD

Depth Range	Tool Joint	Holes
4534'-4548'	2 JSPF	28 holes
4645'-4652'	2 JSPF	14 holes
4893'-4904'	2 JSPF	22 holes
5460'-5477'	2 JSPF	34 holes

**NEWFIELD**

**Castle Peak #24-15-9-16**  
659' FSL & 1980' FWL  
SESW Section 15-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30681; Lease #U-74805

## Jonah 15-15-9-16

Spud Date: 01/07/06  
Put on Production: 02/07/06

GL: 5758' KB: 5770'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.55')  
DEPTH LANDED: 323.40' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5874.99')  
DEPTH LANDED: 5874.24' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

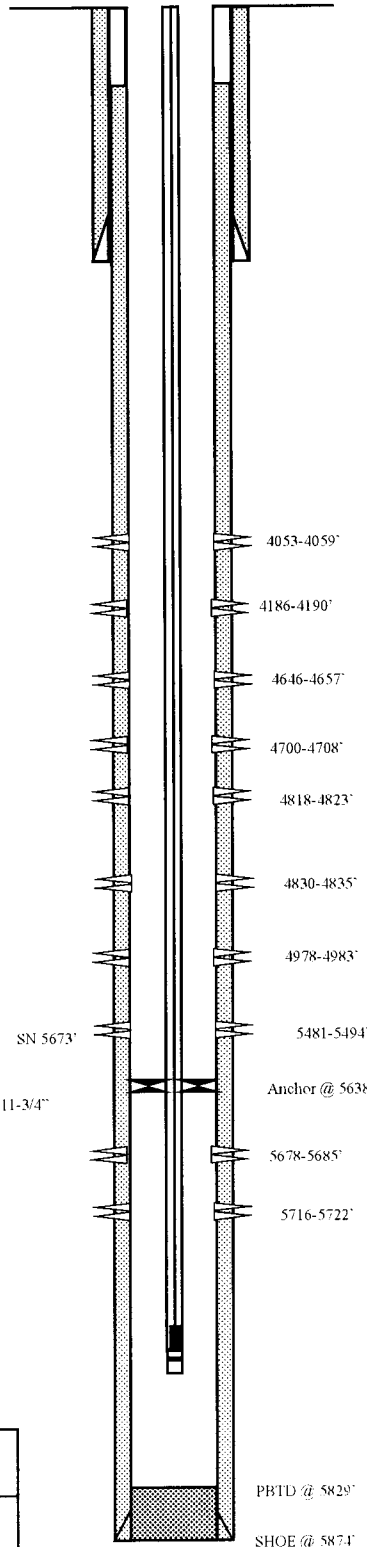
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 173 jts (5626.46')  
TUBING ANCHOR: 5638.46' KB  
NO. OF JOINTS: 2 jts (32.53')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5673.79' KB  
NO. OF JOINTS: 2 jts (65.03')  
TOTAL STRING LENGTH: EOT @ 5740.37' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2, 1-8" x 3/4" pony rod, 99-3/4" scraped rods, 111-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, 5.5 SPM:

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

01/31/06 5678-5722' **Frac CP4, CP5 sands as follows:**  
30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.

01/31/06 5481-5494' **Frac CP2 sands as follows:**  
50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.

01/31/06 4978-4983' **Frac A3 sands as follows:**  
19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.

01/31/06 4818-4835' **Frac B2 sands as follows:**  
25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.

01/31/06 4646-4657' **Frac D3, C, sands as follows:**  
98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.

02/01/06 4186-4190' **Frac PB7 sands as follows:**  
19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.

02/01/06 4053-4059' **Frac GB6 sands as follows:**  
17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes

<b>NEWFIELD</b>
<b>Jonah 15-15-9-16</b>
421' FSL & 1854' FEL
SW/SW Section 15-T9S-R16E
Duchesne Co, Utah
API #43-013-32753; Lease #UTU-17985

## Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
Put on Production: 02/02/06

GL: 5704' KB: 5716'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.16')  
DEPTH LANDED: 327.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5818.63')  
DEPTH LANDED: 5817.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

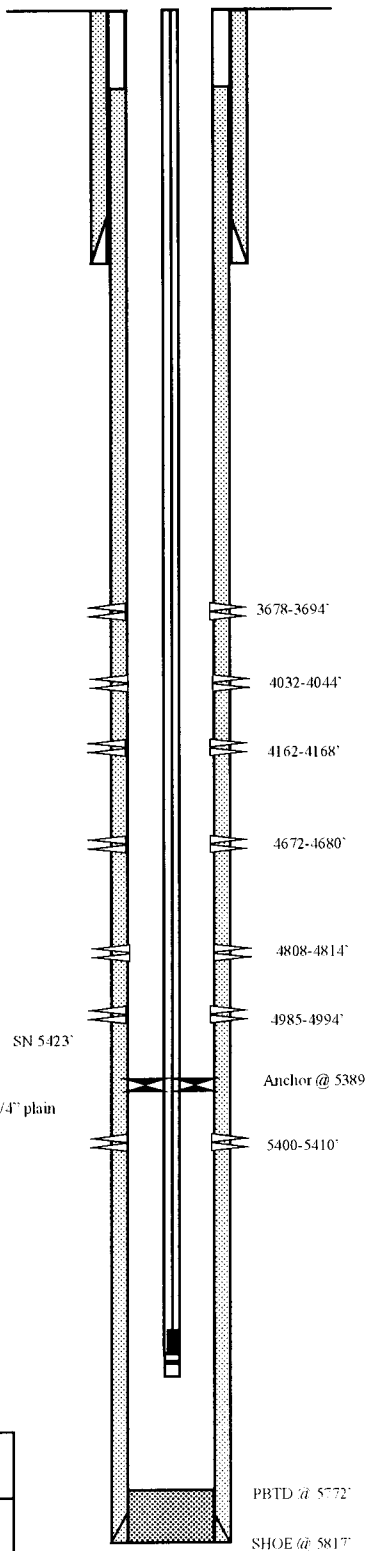
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169 jts (5377.82')  
TUBING ANCHOR: 5389.82' KB  
NO. OF JOINTS: 1 jts (31.30')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5423.92' KB  
NO. OF JOINTS: 2 jts (64.41')  
TOTAL STRING LENGTH: EOT @ 5489.88' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-6" x 3/4" pony rod, 99-3/4" scraped rods, 101-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED: 5.5 SPM:

## Wellbore Diagram




Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

01/25/06	5400-5410'	<b>Frac CP1 sands as follows:</b> 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	<b>Frac A3 sands as follows:</b> 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	<b>Frac B2 sands as follows:</b> 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	<b>Frac C sands as follows:</b> 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	<b>Frac PB8, GB6 sands as follows:</b> 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	<b>Frac GG sands as follows:</b> 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

PERFORATION RECORD

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes

<b>NEWFIELD</b> 
<b>Jonah Federal 16-15-9-16</b> 512' FSL & 535' FEL SE/NE Section 24-T9S-R16E Duchesne Co, Utah API #43-047-32754; Lease #UTL-17985



## JONAH 5-14-9-16

Spud Date: 6/11/03

Put on Production: 3/10/04

GL: 5608' KB: 5620'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (301.85')

DEPTH LANDED: 311.85' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts. (5843.4')

DEPTH LANDED: 5843.4' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sxs Prem. Lite II mixed &amp; 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 404'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 2 jts (64.63')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5673.88' KB

NO. OF JOINTS: 1 jts (32.32')

TUBING ANCHOR: 5638.76' KB

NO. OF JOINTS: 174 jts (5626.26')

TOTAL STRING LENGTH: EOT @ 5740'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'

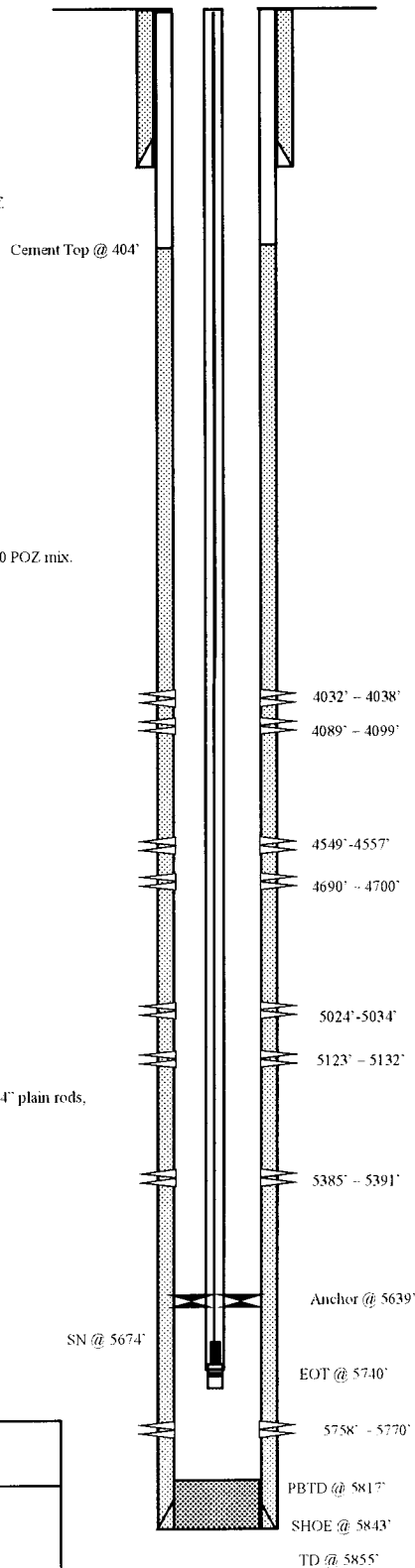
SUCKER RODS: 6-1 1/2" weight rods, 30-3/4" guided rods; 91-3/4" plain rods, 100-3/4" guided rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC pump

STROKE LENGTH: 64"

PUMP SPEED, SPM: 4.5 SPM

## Wellbore Diagram

FRAC JOB

3/3/04 5758'-5770'

**Frac CP5 sands as follows:**

35,816# 20/40 sand in 359 bbls lightning Frac 17 fluid. Treated @ avg press of 1890 psi w/avg rate of 24.8 BPM. ISIP 2165 psi. Calc flush: 5756 gal. Actual flush: 5754 gal.

3/3/04 5385'-5391'

**Frac CP .5 sands as follows:**

19,441# 20/40 sand in 251 bbls lightning Frac 17 fluid. Treated @ avg press of 2425 psi w/avg rate of 24.7 BPM. ISIP 1865 psi. Calc flush: 5383 gal. Actual flush: 5376 gal.

3/3/04 5123'-5132'

**Frac LODC sands as follows:**

39,816# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2742 psi w/avg rate of 24.7 BPM. ISIP 3220 psi. Calc flush: 5121 gal. Actual flush: 5124 gal.

3/3/04 5024'-5034'

**Frac A3 sands as follows:**

39,550# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 1996 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 5022 gal. Actual flush: 5040 gal.

3/3/04 4690'-4700'

**Frac C sands as follows:**

49,590# 20/40 sand in 409 bbls lightning Frac 17 fluid. Treated @ avg press of 1771 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4688 gal. Actual flush: 4704 gal.

3/4/04 4549'-4557'

**Frac D1 sands as follows:**

24,970# 20/40 sand in 267 bbls lightning Frac 17 fluid. Treated @ avg press of 2180 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 4547 gal. Actual flush: 4536 gal.

3/4/04 4032'-4099'

**Frac GB4 and 6 sands as follows:**

52,120# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1950 psi w/avg rate of 24.7 BPM. ISIP 1890 psi. Calc flush: 4030 gal. Actual flush: 3948 gal.

10/18/05

Tbg. Leak. Update tubing and rod Details.

PERFORATION RECORD

3/02/04	5758'-5770'	4 JSPF	48 holes
3/03/04	5385'-5391'	4 JSPF	24 holes
3/03/04	5123'-5132'	4 JSPF	36 holes
3/03/04	5024'-5034'	4 JSPF	40 holes
3/03/04	4690'-4700'	4 JSPF	40 holes
3/03/04	4549'-4557'	4 JSPF	32 holes
3/04/04	4089'-4099'	4 JSPF	40 holes
3/04/04	4032'-4038'	4 JSPF	24 holes

**NEWFIELD**

**Jonah 5-14-9-16**  
 2028' FNL & 659' FWL  
 SW/NW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32336; Lease #UTU-096547

## Jonah Federal 12-14-9-16

Spud Date: 5-28-05  
Put on Production: 7-12-05

GL: 5682' KB: 5694'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302.88')  
DEPTH LANDED: 314.73' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts. (5830.79')  
DEPTH LANDED: 5844.04' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 250'

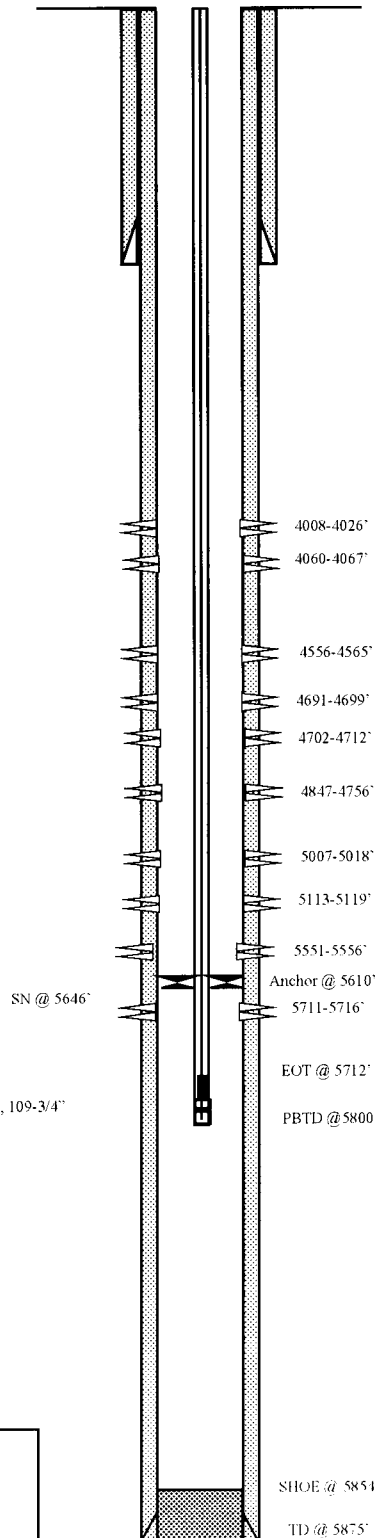
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 172 jts (5598.50')  
TUBING ANCHOR: 5610.50' KB  
NO. OF JOINTS: 1 jts (32.52')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5645.82' KB  
NO. OF JOINTS: 2 jts (64.39')  
TOTAL STRING LENGTH: EOT @ 5711.76' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 1-2", 8' x 3/4" ponies, 100- 3/4" scraped rods, 109-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 12"x15" RHAC w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM

## Wellbore Diagram



Initial Production: BOPD 118,  
MCFD 7, BWPD 139

FRAC JOB

6-30-05 5551-5716' **Frac CP3 & CP5 sand as follows:**  
25908#'s 20/40 sand in 306 bbls Lightning  
17 frac fluid. Treated @ avg press of 1599 psi  
w/avg rate of 25 BPM. ISIP 1775 psi. Calc  
flush: 5549 gal. Actual flush: 5552 gal.

7-5-05 5007-5119' **Frac A1 & LODC sand as follows:**  
45,085#'s 20/40 sand in 409 bbls Lightning  
17 frac fluid. Treated @ avg press of 1818 psi  
w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc  
flush: 5005 gal. Actual flush: 4788 gal.

7-6-05 **Frac B2**  
Decision was made to skip Stage #3.

7-6-05 4691-4712' **Frac C, sand as follows:**  
99846#'s 20/40 sand in 706 bbls Lightning  
17 frac fluid. Treated @ avg press of 1733 psi  
w/avg rate of 25 BPM. ISIP 1750 psi. Calc  
flush: 4689 gal. Actual flush: 4490 gal.

7-6-05 4556-4565' **Frac D1 sand as follows:**  
54,984#'s 20/40 sand in 446 bbls Lightning  
17 frac fluid. Treated @ avg press of 1773 psi  
w/avg rate of 25 BPM. ISIP 1820 psi. Calc  
flush: 4554 gal. Actual flush: 4334 gal.

7-6-05 4008-4067' **Frac GB2 & GB4 sand as follows:**  
60,730#'s 20/40 sand in 457 bbls Lightning  
17 frac fluid. Treated @ avg press of 1425 psi  
w/avg rate of 25 BPM. ISIP 1650 psi. Calc  
flush: 4006 gal. Actual flush: 3901 gal.

8-8-05 Pump Change. Update tubing and rod detail.

PERFORATION RECORD

6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856'	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes



**Jonah Federal 12-14-9-16**  
1816' FSL & 575' FWL  
NW/SW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32682; Lease #UTU-096547

## Jonah Federal 13-14-9-16

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB: 5780'

## Wellbore Diagram

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (303.95')  
DEPTH LANDED: 313.95' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5925.19')  
DEPTH LANDED: 5923.19' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 450'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 182 jts  
TUBING ANCHOR: 5697' KB  
NO. OF JOINTS: 2 jts  
SN LANDED AT: 1.10'  
NO. OF JOINTS: 1 jt.  
TOTAL STRING LENGTH: EOT @ 5795' w/12' KB

SUCKER RODS

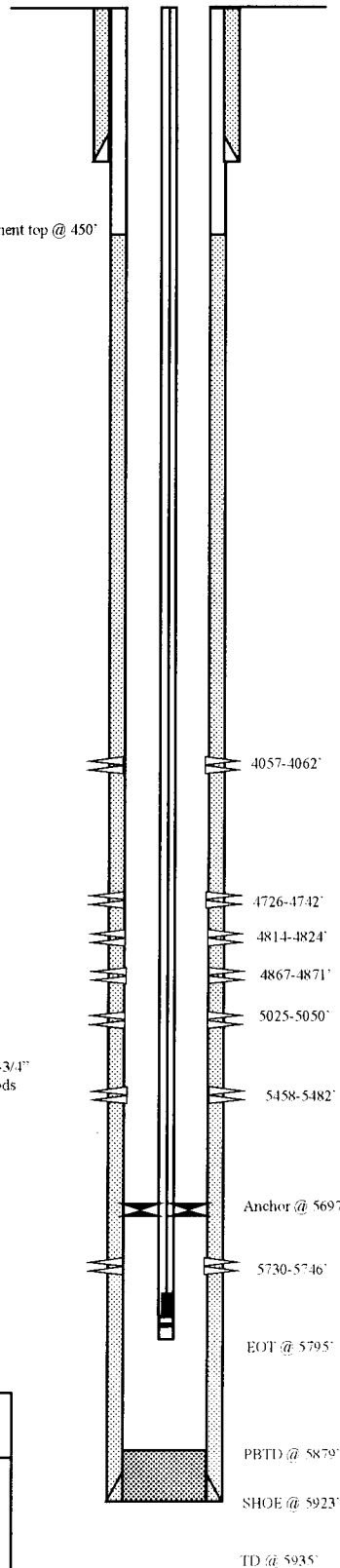
POLISHED ROD: 1 1/2" x 22"  
SUCKER RODS: 1-8", 1-6", 1-4" X 3/4" pony rods, 1-3/4" slick rod, 99-3/4"  
guided rods, 112-3/4" slick rods, 10-3/4" guided rods, 6-1 1/2" weight rods  
PUMP SIZE: 2 1/2" x 1 1/2" x 10 x 14" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM

FRAC JOB

6-27-05	5730-5746'	<b>Frac CP5 sands as follows:</b> 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid. Treated @ avg press of 1678 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5728 gal. Actual flush: 5712 gal.
6-27-05	5458-5482'	<b>Frac CP1 sands as follows:</b> 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid. Treated @ avg press of 1654 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5456 gal. Actual flush: 5462 gal.
6-27-05	5025-5050'	<b>Frac A1/A3 sands as follows:</b> 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid. Treated @ avg press of 1560 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 5023 gal. Actual flush: 5082 gal.
6-27-05	4814-4871'	<b>Frac B2 &amp; B1 sands as follows:</b> 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1606 psi w/avg rate of 24.6 BPM. ISIP 2150 psi. Calc flush: 4812 gal. Actual flush: 4872 gal.
6-27-05	4726-4742'	<b>Frac C sands as follows:</b> 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid. Treated @ avg press of 1590 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4724 gal. Actual flush: 4704 gal.
6-27-05	4057-4062'	<b>Frac GB4 sands as follows:</b> 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid. Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4055 gal. Actual flush: 4704 gal.

PERFORATION RECORD

6-22-05	5730-5746'	4 JSPF	64 holes
6-27-05	5458-5482'	4 JSPF	96 holes
6-27-05	5025-5050'	4 JSPF	100 holes
6-27-05	4867-4871'	4 JSPF	16 holes
6-27-05	4814-4824'	4 JSPF	40 holes
6-27-05	4726-4742'	4 JSPF	64 holes
6-27-05	4057-4062'	4 JSPF	20 holes



NEWFIELD

Jonah Federal 13-14-9-16

484' FSL &amp; 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696; Lease #UTU-096547

KC 1/5/06

## Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06

GL: 5742' KB: 5754'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

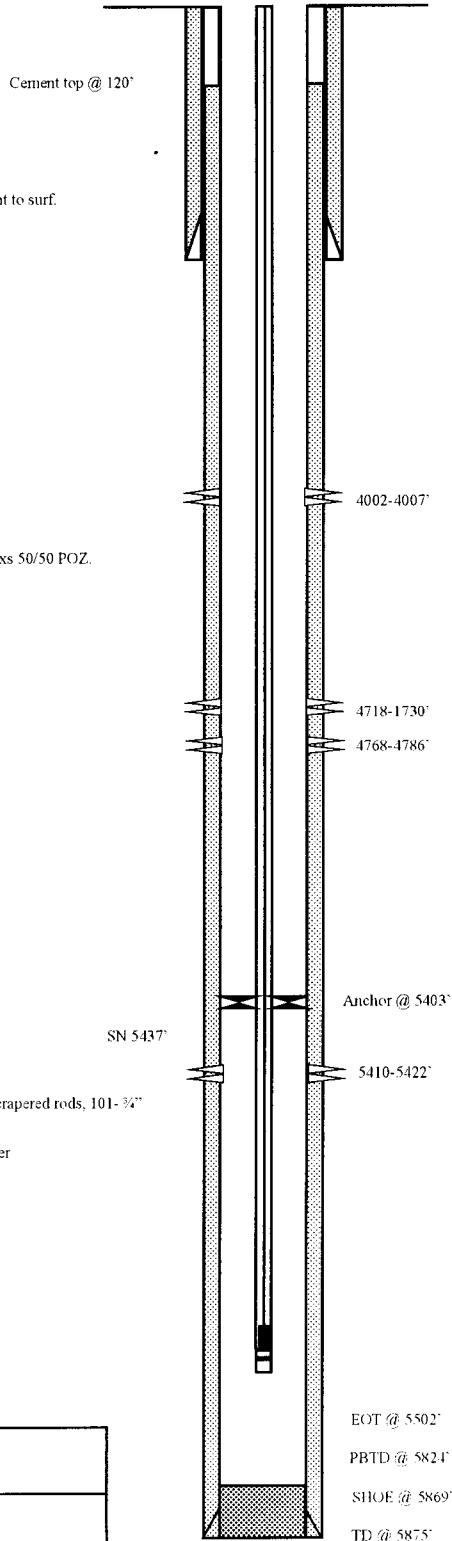
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 170 jts (5390.82')  
TUBING ANCHOR: 5402.82' KB  
NO. OF JOINTS: 1 jts (31.80')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5437.42' KB  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5502.17' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-4' & 1-2' 3/4" pony rods, 100- 3/4" scraped rods, 101- 3/4" plain rods, 10- 3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC w/SM plunger  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 6 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB


01-16-06 5410-55422' **Frac CP2, sands as follows:**  
45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.

01-16-06 4718-4730' **Frac B2, & B1 sands as follows:**  
124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.

01-16-06 4002-4007' **Frac GB6 sands as follows:**  
23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.

PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

<b>NEWFIELD</b> 
<b>Federal 1-22-9-16</b> 887' FNL & 963' FEL NE/NE Section 22-T9S-R16E Duchesne Co. Utah API #43-013-32612; Lease #UTU-74392

Attachment F  
page 1 of 6

Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:

Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Johnson Water Line, JOHNSON STATION #2  
CHARGE PUMP

Lab Test No: 2006400226  
Specific Gravity: 1.001

Sample Date: 01/17/2006

TDS: 357  
pH: 7.80

Cations:	mg/L	as:
Calcium	80.00	(Ca <sup>++</sup> )
Magnesium	24.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	1.10	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	122	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	95	(SO <sub>4</sub> <sup>=</sup> )
Chloride	35	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

Page 2 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400226

DownHole SAT™ Scale Prediction  
@ 60 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	1.01	.00108
Aragonite (CaCO <sub>3</sub> )	.876	-.0303
Witherite (BaCO <sub>3</sub> )	0	-4.93
Strontianite (SrCO <sub>3</sub> )	0	-1.54
Magnesite (MgCO <sub>3</sub> )	.202	-.693
Anhydrite (CaSO <sub>4</sub> )	.0236	-.314
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.0481	-228.43
Barite (BaSO <sub>4</sub> )	0	-.0267
Celestite (SrSO <sub>4</sub> )	0	-44.65
Silica (SiO <sub>2</sub> )	0	-32.86
Brucite (Mg(OH) <sub>2</sub> )	< 0.001	-1.05
Magnesium silicate	0	-62.42
Siderite (FeCO <sub>3</sub> )	13.52	.215
Halite (NaCl)	0	-136333
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	0	-33648
Iron sulfide (FeS)	0	-.0114

## Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.



page 3 of 6

Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:  
Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Run B, JONAH 9-15-9-16 TREATER

Lab Test No: 2006400435  
Specific Gravity: 1.012

Sample Date: 02/07/2006

TDS: 16266  
pH: 8.60

Cations:	mg/L	as:
Calcium	24.00	(Ca <sup>++</sup> )
Magnesium	42.00	(Mg <sup>++</sup> )
Sodium	6233	(Na <sup>+</sup> )
Iron	0.80	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	366	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	0	(SO <sub>4</sub> <sup>-2</sup> )
Chloride	9600	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

page 4 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400435

DownHole SAT™ Scale Prediction  
@ 130 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	3.88	5.77
Aragonite (CaCO <sub>3</sub> )	3.22	5.24
Witherite (BaCO <sub>3</sub> )	0	-7.2
Strontianite (SrCO <sub>3</sub> )	0	-2.12
Magnesite (MgCO <sub>3</sub> )	8.77	6.68
Anhydrite (CaSO <sub>4</sub> )	0	-654.07
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	0	-795.52
Barite (BaSO <sub>4</sub> )	0	-6.91
Celestite (SrSO <sub>4</sub> )	0	-162.39
Silica (SiO <sub>2</sub> )	0	-80.35
Brucite (Mg(OH) <sub>2</sub> )	.0599	-1.36
Magnesium silicate	0	-126.51
Siderite (FeCO <sub>3</sub> )	14.45	.0232
Halite (NaCl)	< 0.001	-189184
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	0	-55257
Iron sulfide (FeS)	0	-.0364

**Interpretation of DHSat Results:**

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

DownHole SAT(tm)  
MIXED WATER CHEMISTRY

page 5 of 6

1) Johnson Water

2) Jonah 9-15-9-16

Report Date: 02-15-2006

## CATIONS

Calcium (as Ca)	130.00
Magnesium (as Mg)	136.00
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	3117
Iron (as Fe)	0.950
Manganese (as Mn)	0.00

## ANIONS

Chloride (as Cl)	5029
Sulfate (as SO4)	47.50
Dissolved CO2 (as CO2)	4.44
Bicarbonate (as HCO3)	283.37
Carbonate (as CO3)	73.30
H2S (as H2S)	0.00

## PARAMETERS

pH	8.45
Temperature (°F)	130.00
Density(g/mL)	1.00
Pressure(atm)	1.00
Calculated T.D.S.	8823
Molar Conductivity	13060

BJ Chemical Services  
Roosevelt, Utah

DownHole SAT(tm)

## MIXED WATER DEPOSITION POTENTIAL INDICATORS

page 6 of 6

1) Johnson Water

2) Jonah 9-15-9-16

Report Date: 02-15-2006

## SATURATION LEVEL

Calcite (CaCO3)	22.57
Aragonite (CaCO3)	18.77
Witherite (BaCO3)	0.00
Strontianite (SrCO3)	0.00
Magnesite (MgCO3)	29.33
Anhydrite (CaSO4)	0.00799
Gypsum (CaSO4*2H2O)	0.00698
Barite (BaSO4)	0.00
Magnesium silicate	0.00
Iron hydroxide (Fe(OH)3)	9711
Iron sulfide (FeS)	0.00

## MOMENTARY EXCESS (Lbs/1000 Barrels)

Calcite (CaCO3)	6.56
Aragonite (CaCO3)	6.50
Witherite (BaCO3)	-6.05
Strontianite (SrCO3)	-1.82
Magnesite (MgCO3)	5.60
Anhydrite (CaSO4)	-470.81
Gypsum (CaSO4*2H2O)	-572.85
Barite (BaSO4)	-0.993
Magnesium silicate	-117.61
Iron hydroxide (Fe(OH)3)	< 0.001
Iron sulfide (FeS)	-0.0177

## SIMPLE INDICES

Langelier	1.62
Stiff Davis Index	1.75

## BOUND IONS

	TOTAL	FREE
Calcium	130.00	115.77
Barium	0.00	0.00
Carbonate	73.30	11.86
Phosphate	0.00	0.00
Sulfate	47.50	35.03

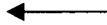
## OPERATING CONDITIONS

Temperature (°F)	130.00
Time(mins)	3.00

BJ Chemical Services  
Roosevelt, Utah

**Attachment "G"**

**Jonah Federal #9-15-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax	
Top	Bottom					
5666	5696	5681	1800	0.75	1788	
5428	5446	5437	1900	0.78	1888	
4998	5118	5058	2500	0.93	2489	
4820	4857	4839	2000	0.85	1990	
4704	4720	4712	2000	0.86	1990	
				<b>Minimum</b>	<u>1788</u>	

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 9-15-9-16Report Date: 7-1-05Day: 2aOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5849'Csg PBTD: 5747'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP4	5666- 96'	4/120
			CP5	5716- 20'	4/16

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 30-Jun-05SITP:  SICP: 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 & CP4 sds, stage #1 down casing w/ 70,165#'s of 20/40 sand in 559 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 3031 psi, back to 685 psi. Treated @ ave pressure of 1230 w/ ave rate of 24.5 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 1800. 697 bbls EWTR. Leave pressure on well. **See day2b.**

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138Starting oil rec to date: Fluid lost/recovered today: 559Oil lost/recovered today: Ending fluid to be recovered: 697Cum oil recovered: IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut: 

## STIMULATION DETAIL

Base Fluid used: Lightning 7 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: CP5 & CP4 sds down casing5418 gals of pad3625 gals w/ 1-5 ppg of 20/40 sand7250 gals w/ 5-8 ppg of 20/40 sand1515 gals w/ 8 ppg of 20/40 sandFlush w/ 5670 gals of slick water**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***Max TP: 1767 Max Rate: 25 Total fluid pmpd: 559 bblsAvg TP: 1230 Avg Rate: 24.5 Total Prop pmpd: 70,165#'sISIP: 1800 5 min:  10 min:  FG: .75Completion Supervisor: Ron Shuck

## COSTS

Weatherford BOP \$60Weatherford Services \$700Betts frac water \$1,660NPC fuel gas \$90BJ Services CP5&4sd \$23,840NPC Supervisor \$150DAILY COST: \$26,500TOTAL WELL COST: \$308,141





## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 9-15-9-16Report Date: 7-1-05Day: 2bOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5849'Csg PBTD: 5747'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 5220'Plug 5550'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5114-5118'	4/16
			CP1 sds	5428-5446'	4/72
			CP4	5666- 96'	4/120
			CP5	5716- 20'	4/16
A1 sds	4998-5003'	4/20			
A3 sds	5014-5018'	\$/16			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 30-Jun-05SITP: SICP: 1490

Day2b.

RU Black Warrior WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through frac plug & 18' perf gun. Set plug @ 5550'. Perforate CP1 sds @ 5428-5446' w/ 4" Port Guns (19 gram, .41"HE, 120°) w/ 4 spf for total of 72 shots. RU BJ & frac stage #2 w/ 57,169#'s of 20/40 sand in 486 bbls of Lightning 17 frac fluid. Open well w/ 1490 psi on casing. Perfs broke down @ 3322 psi, back to 1388 psi. Treated @ ave pressure of 1346 w/ ave rate of 24.5 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 1900. 1183 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 4', 4', 5' perf guns. Set plug @ 5220'. Perforate LODC sds @ 5114-18', A3 sds @ 5014-18', A1 sds @ 4998-5003' w/ 4 spf for total of 52 shots. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 697Starting oil rec to date: Fluid lost/recovered today: 486Oil lost/recovered today: Ending fluid to be recovered: 1183Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut: 

## STIMULATION DETAIL

Base Fluid used: Lightning 7 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: CP1 sds down casing4620 gals of pad3000 gals w/ 1-5 ppg of 20/40 sand6000 gals w/ 5-8 ppg of 20/40 sand1374 gals w/ 8 ppg of 20/40 sandFlush w/ 5418 gals of slick water

## COSTS

Weatherford BOP \$70Weatherford Services \$2,200Betts frac water \$1,445NPC fuel gas \$80BJ Services CP1 sd \$14,560NPC Supervisor \$150BWWC CP1 sds \$4,760\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*Max TP: 1848 Max Rate: 24.8 Total fluid pmpd: 486 bblsAvg TP: 1346 Avg Rate: 24.6 Total Prop pmpd: 57,169#'sISIP: 1900 5 min: 10 min: FG: .78Completion Supervisor: Ron ShuckDAILY COST: \$23,265TOTAL WELL COST: \$331,406

# NEWFIELD



Page 3 of 5

## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 9-15-9-16

Report Date: 7-2-05

Day: 3a

Operation: Completion

Rig: Rigless

### WELL STATUS

Surf Csg: 8-5/8' @ 314'

Prod Csg: 5-1/2" @ 5849'

Csg PBTB: 5747'WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTB: 5220'

Plug 5550'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	<u>5114-5118'</u>	<u>4/16</u>
			CP1 sds	<u>5428-5446'</u>	<u>4/72</u>
			CP4	<u>5666-96'</u>	<u>4/120</u>
			CP5	<u>5716-20'</u>	<u>4/16</u>
A1 sds	<u>4998-5003'</u>	<u>4/20</u>			
A3 sds	<u>5014-5018'</u>	<u>4/16</u>			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 01-Jul-05

SITP: SICP: 613 psi

#### Day3a.

RU BJ & frac stage #3 w/ 34,026#'s of 20/40 sand in 343 bbls of Lightning 17 frac fluid. Open well w/ 613 psi on casing. Perfs broke down @ 1424 psi. Treated @ ave pressure of 1820 w/ ave rate of 24.5 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 2500 psi. 1526 bbls EWTR. Leave pressure on well. SIFN. See Day 3b.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1183

Starting oil rec to date:

Fluid lost/recovered today: 343

Oil lost/recovered today:

Ending fluid to be recovered: 1526

Cum oil recovered:

IFL: FFL: FTP:

Choke:

Final Fluid Rate:

Final oil cut:

### STIMULATION DETAIL

Base Fluid used: Lightning 7

Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: A1,A3,LODC sds down casing

2800 gals of pad

2194 gals w/ 1-5 ppg of 20/40 sand

4435 gals w/ 5-8 ppg of 20/40 sand

210 gals of 15% HCL acid.

Flush w/ 4738 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

Max TP: 2091 Max Rate: 24.9 BPM Total fluid pmpd: 343 bbls

Avg TP: 1820 Avg Rate: 24.5 BPM Total Prop pmpd: 34,026#'s

ISIP: 2500 5 min: 10 min: FG: .93

Completion Supervisor: Orson Barney

### COSTS

Weatherford BOP \$45

Weatherford Services \$2,400

Betts frac water \$865

NPC fuel gas \$50

BJ A1,A3 ,LODC \$10,502

NPC Supervisor \$100

BWWC A1,A3, LODC \$4,760

DAILY COST: \$18,722

TOTAL WELL COST: \$350,128



## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 9-15-9-16Report Date: 7-2-05Day: 3bOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5849'Csg PBTD: 5747'WL

Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_

Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_

BP/Sand PBTD: 4960'Plug 5220', 5550'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			LODC sds	5114-5118'	4/16
B2	4820- 4827'	4/28	CP1 sds	5428-5446'	4/72
B2	4832- 4836'	4/16	CP4	5666- 96'	4/120
B2	4851- 4857'	4/24	CP5	5716- 20'	4/16
A1 sds	4998-5003'	4/20			
A3 sds	5014-5018'	4/16			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 01-Jul-05SITP: \_\_\_\_\_ SICP: 1335 psi

## Day3b.

RU Black Warrior WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through frac plug, 6', 4' & 7' perf gun. Set plug @ 4960'. Perforate B2 sds @ 4851- 57', 4832- 36', 4820- 27' w/ 4" Port Guns (19 gram, .41"HE, 120°) w/ 4 spf for total of 68 shots. RU BJ & frac stage #4 w/ 49,623#'s of 20/40 sand in 426 bbls of Lightning 17 frac fluid. Open well w/ 1335 psi on casing. Perfs broke down @ 4112 psi. Treated @ ave pressure of 1590 w/ ave rate of 24.5 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 2000 psi. 1952 bbls EWTR. Leave pressure on well. SIFN. See Day 3c.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1526

Starting oil rec to date: \_\_\_\_\_

Fluid lost/recovered today: 426

Oil lost/recovered today: \_\_\_\_\_

Ending fluid to be recovered: 1952

Cum oil recovered: \_\_\_\_\_

IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_

Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Lightning 7 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: B2 sds down casing

3800 gals of pad

2625 gals w/ 1-5 ppg of 20/40 sand

5250 gals w/ 5-8 ppg of 20/40 sand

1412 gals w/ 8 ppg of 20/40 sand

210 gals of 15% HCL acid.

Flush w/ 4578 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 1960 Max Rate: 24.9 BPM Total fluid pmpd: 426 bblsAvg TP: 1590 Avg Rate: 24.5 BPM Total Prop pmpd: 49,623#'sISIP: 2000 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .85Completion Supervisor: Orson Barney

## COSTS

Weatherford BOP	\$45
Weatherford Services	\$2,400
Betts frac water	\$1,230
NPC fuel gas	\$70
BJ Services B2 sd	\$12,800
NPC Supervisor	\$100
BWWC B2 sds	\$5,139

DAILY COST: \$21,784TOTAL WELL COST: \$371,912



## DAILY COMPLETION REPORT

WELL NAME: Jonah Fed 9-15-9-16Report Date: 7-2-05Day: 3cOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5849'Csg PBTD: 5747'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4770'Plug 4960', 5220' 5550'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C	4704- 4720'	4/64	LODC sds	5114-5118'	4/16
B2	4820- 4827'	4/28	CP1 sds	5428-5446'	4/72
B2	4832- 4836'	4/16	CP4	5666- 96'	4/120
B2	4851- 4857'	4/24	CP5	5716- 20'	4/16
A1 sds	4998-5003'	4/20			
A3 sds	5014-5018'	4/16			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 01-Jul-05SITP: SICP:

## Day3c.

RU Black Warrior WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through frac plug & 16' perf gun. Set plug @ 4770'. Perforate C sds @ 4704- 20'. w/ 4" Port Guns (19 gram, .41"HE, 120°) w/ 4 spf for total of 64 shots. RU BJ. & frac stage #5 w/ 88,671#'s of 20/40 sand in 632 bbls of Lightning 17 frac fluid. Open well w/ psi on casing. Perfs broke down @ 3784 psi. Treated @ ave pressure of 1714 w/ ave rate of 24.5 bpm w/ 8 ppg of sand. ISIP was 2200 psi. Begin immediate flow back on 12/64 choke @ 1 BPM. Flowed for 4 hrs & died. Rec 253 BTF (10% of total frac load). 2331 bbls EWTR. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1952Starting oil rec to date: Fluid lost/recovered today: 379Oil lost/recovered today: Ending fluid to be recovered: 2331Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 7 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: C sds down casing6400 gals of pad4319 gals w/ 1-5 ppg of 20/40 sand8622 gals w/ 5-8 ppg of 20/40 sand2579 gals w/ 8 ppg of 20/40 sandFlush w/ 4607 gals of slick water

## COSTS

Weatherford BOP	\$45
Weatherford Services	\$2,400
Betts frac water	\$2,020
NPC fuel gas	\$110
BJ Services C sd	\$11,540
NPC Supervisor	\$100
BWWC C sds	\$5,139
Betts wtr transfer	\$400
NPC trucking	\$400
RNI wtr disposal (pit)	\$600

Max TP: 2315 Max Rate: 25 BPM Total fluid pmpd: 632 bblsAvg TP: 1714 Avg Rate: 24.5 BPM Total Prop pmpd: 88,671#'sISIP: 2200 5 min: 10 min: FG: .90Completion Supervisor: Orson BarneyDAILY COST: \$22,754TOTAL WELL COST: \$394,666

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3962`.
2. Plug #1 Set 100` plug on top of CIBP using 12 sx Class G cement.
3. Plug #2 Set 200` plug from 2000`-2200` with 25 sx Class "G" cement.
4. RU perforators and perforate 4 JSPF @ 365`.
5. Plug #3 Circulate 114 sx Class G cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus to surface.

The approximate cost to plug and abandon this well is \$33,025.

## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

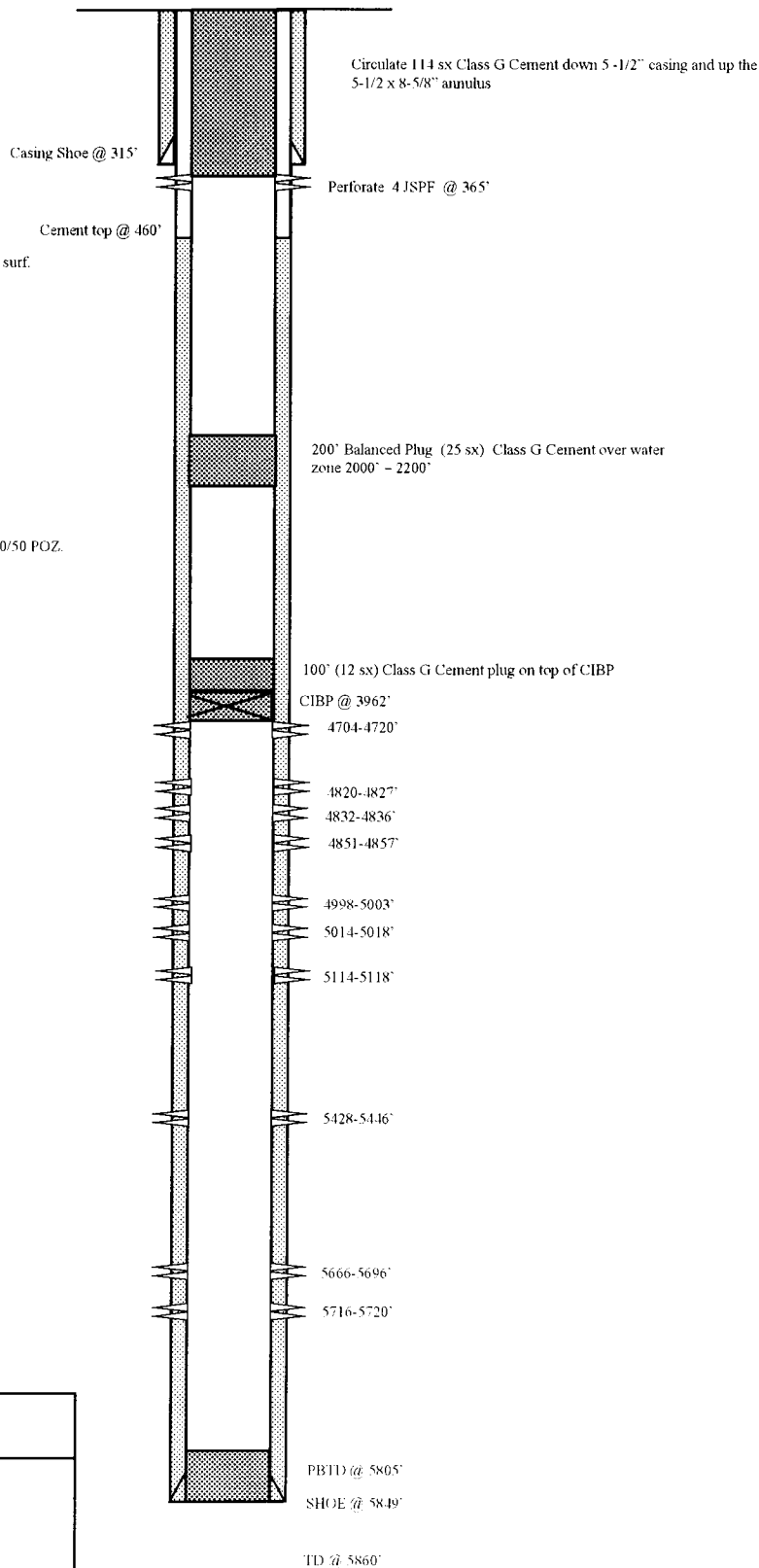
Initial Production: 77 BOPD,  
 11 MCFD, 59 BWPD

Proposed P & A  
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (302.72')  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

**NEWFIELD****Jonah Federal 9-15-9-16**

1724' FSL &amp; 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co. Utah

API #43-013-32683; Lease #UTU-017985



**NOTICE OF AGENCY  
ACTION  
CAUSE NO. UIC 331**

BEFORE THE DIVISION OF OIL,  
GAS AND MINING, DEPARTMENT  
OF NATURAL RESOURCES, STATE  
OF UTAH

IN THE MATTER OF THE APPLI-  
CATION OF Newfield Production Com-  
pany FOR ADMINISTRATIVE AP-  
PROVAL OF THE South Wells Draw 13-  
3-9-16, South Wells Draw 11-3-9-16, Jonah  
Federal 15-12-9-16, Jonah Federal 9-14-  
9-16, Jonah Federal 11-14-9-16, Jonah  
Federal 13-14-9-16, Jonah Federal 15-14-  
9-16, Jonah Federal 9-15-9-16, Jonah 5-  
14-9-16, Jonah 7-14-9-16 WELLS LO-  
CATED IN SECTIONS 3, 12, 14, & 15,  
TOWNSHIP 9 South, RANGE 16 East,  
Duchesne COUNTY, UTAH, AS A  
CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL  
PERSONS INTERESTED IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the South Wells Draw 13-3-9-16, South Wells Draw 11-3-9-16, Jonah Federal 15-12-9-16, Jonah Federal 9-14-9-16, Jonah Federal 11-14-9-16, Jonah Federal 13-14-9-16, Jonah Federal 15-14-9-16, Jonah Federal 9-15-9-16, Jonah 5-14-9-16, Jonah 7-14-9-16 wells, located in Sections 3, 12, 14, 15, Township 9 South, Range 16 East, Duchesne County, Utah, for conversion to a Class II injection well. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is Gil Hunt, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of May, 2006.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Gil Hunt

Associate Director

Published in the Uintah Basin Standard  
May 16, 2006.



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 19, 2006

Newfield Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Jonah Unit Well: Jonah Federal 9-15-9-16, Section 15, Township 9 South,  
Range 16 East, SLBM, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-017985
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1724 FSL 782 FEL		8. WELL NAME and NUMBER: JONAH FEDERAL 9-15-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 15, T9S, R16E		9. API NUMBER: 4301332683
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/14/2006			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.


This well was converted from a producing oil well to an injection well on 11/14/06. On 11/13/06 Dennis Ingram with the State of Utah (DOGM) was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test 11/15/06. On 11/15/06 the casing was pressured up to 1485 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 730 psig during the test. There was not a State representative available to witness the test.

API# 43-013-32683

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE



DATE 11/21/2006

(This space for State use only)

RECEIVED  
NOV 22 2006

DIVISION OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/15/06 Time 2:30 am pm

Test Conducted by: Chris Wilkerson

Others Present: \_\_\_\_\_

Well: Jonah Fed 9-15-9-16

Field: Newfield - Mon Butte / Jonah unit

Well Location: NE/SE Sec. 15, T9S, R16E  
Duchesne County, UTAH

API No: 43-013-32683

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1485</u>	psig
5	<u>1485</u>	psig
10	<u>1485</u>	psig
15	<u>1485</u>	psig
20	<u>1485</u>	psig
25	<u>1485</u>	psig
30 min	<u>1485</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 730 psig

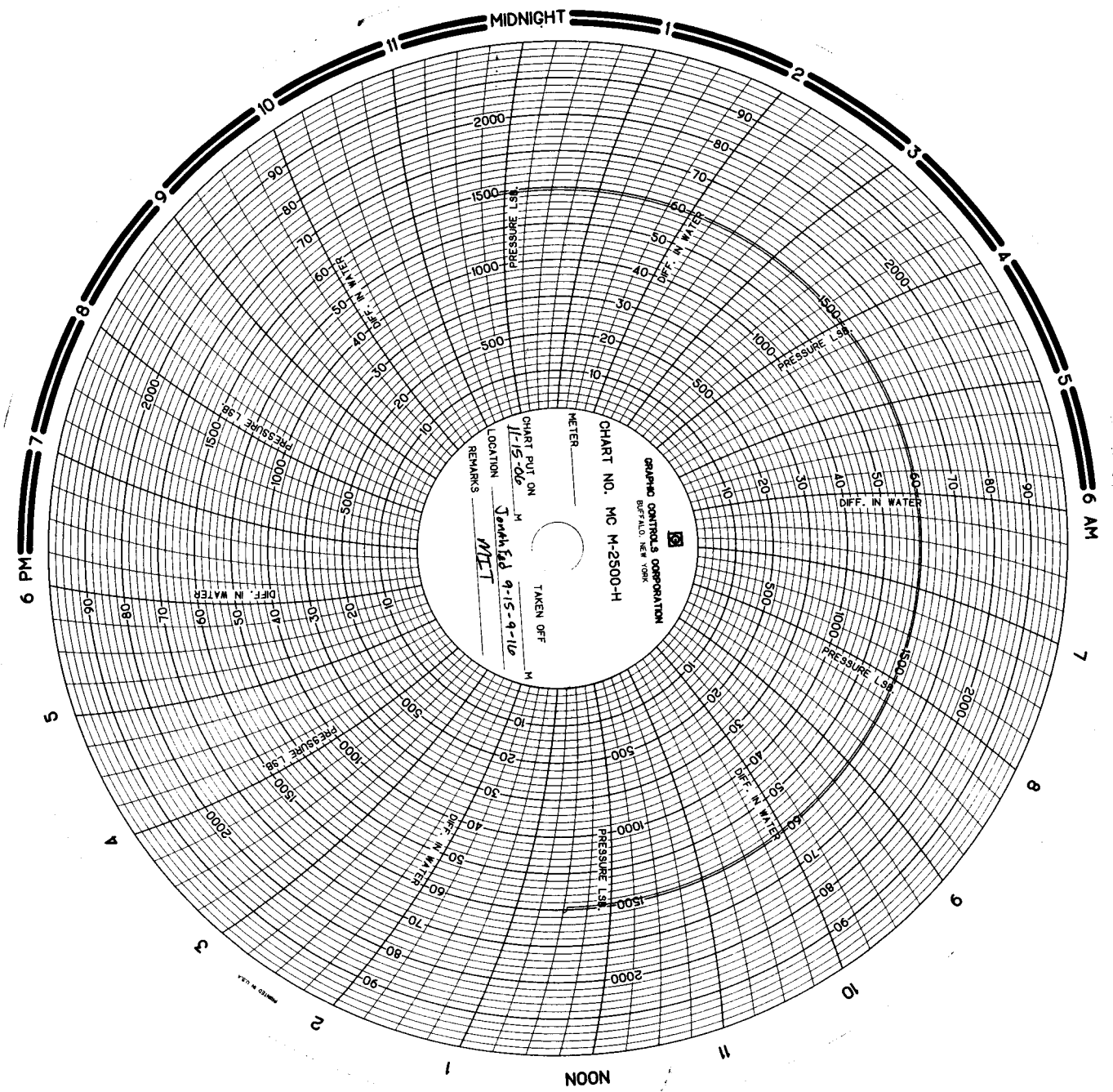
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Chris Wilkerson





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

**UNDERGROUND INJECTION CONTROL PERMIT**

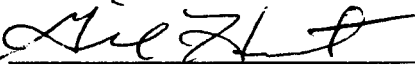
**Cause No. UIC-331**

**Operator:** Newfield Production Company  
**Well:** Jonah 9-15-9-16  
**Location:** Section 15, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32683  
**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Well issued on September 19, 2006.
2. Maximum Allowable Injection Pressure: 1,788 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation  
(3,844' - 5,821')

Approved by:

  
Gil Hunt  
Associate Director

11-27-06  
Date

mf

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1724 FSL 782 FEL

NESE Section 15 T9S R16E

5. Lease Serial No.

USA UTU-017985

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 9-15-9-16

9. API Well No.

4301332683

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status, Put Well
	<input checked="" type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	on Injection

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above referenced well was put on injection at 3:30 p.m. on 1/9/07.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

01/30/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JAN 31 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-017985
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1724 FSL 782 FEL		8. WELL NAME and NUMBER: JONAH FEDERAL 9-15-9-16
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301332683
6. COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
7. STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 03/15/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on March 15, 2011. Results from the test indicate that the fracture gradient is 0.877 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1788 psi to 2060 psi.

**COPY SENT TO OPERATOR**

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 4.12.2011  
Initials: KS

Date: 04-07-11  
By: [Signature]

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Water Services Technician
SIGNATURE <u>[Signature]</u>	DATE 03/17/2011

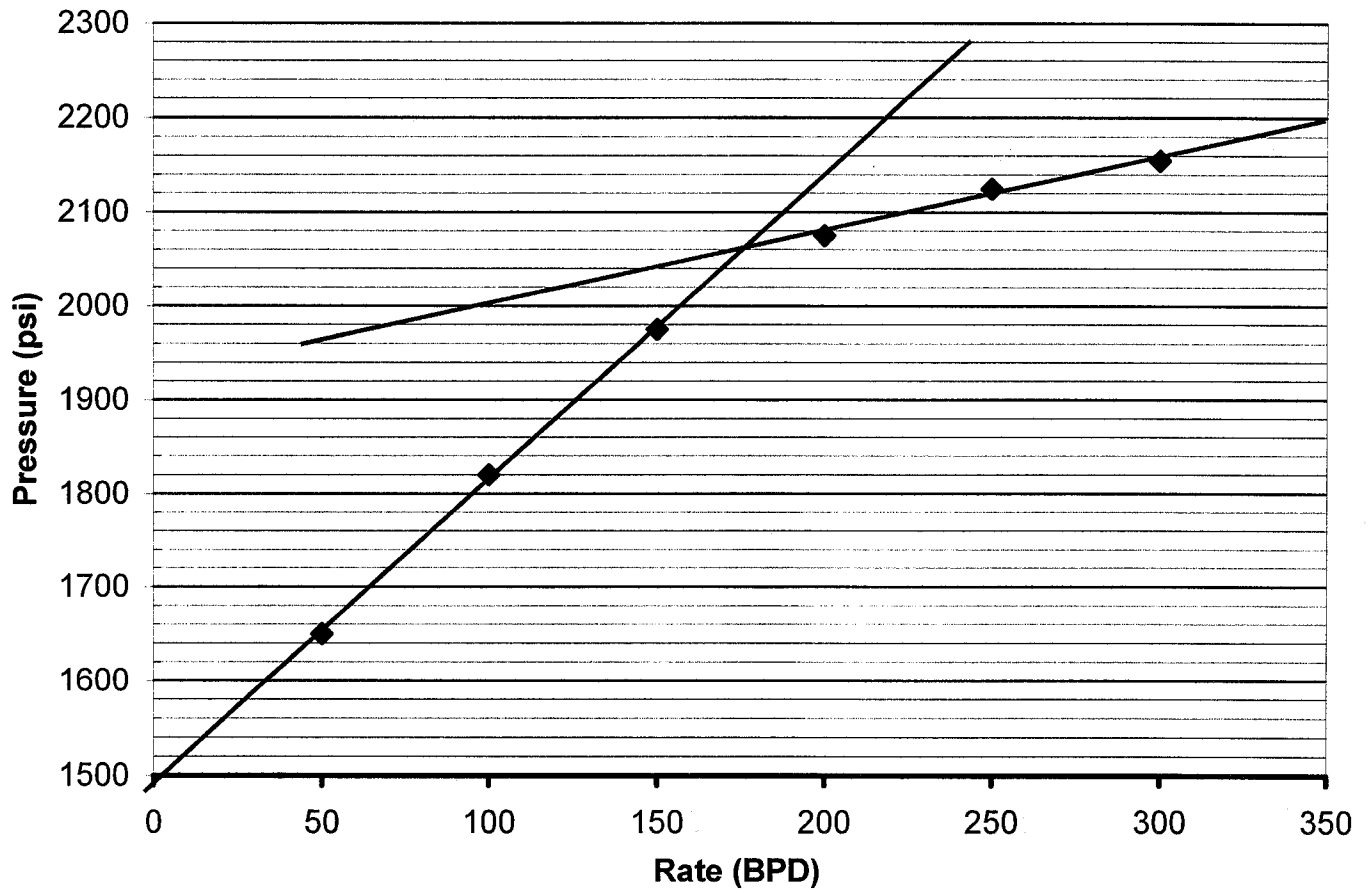
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**RECEIVED**

**MAR 21 2011**

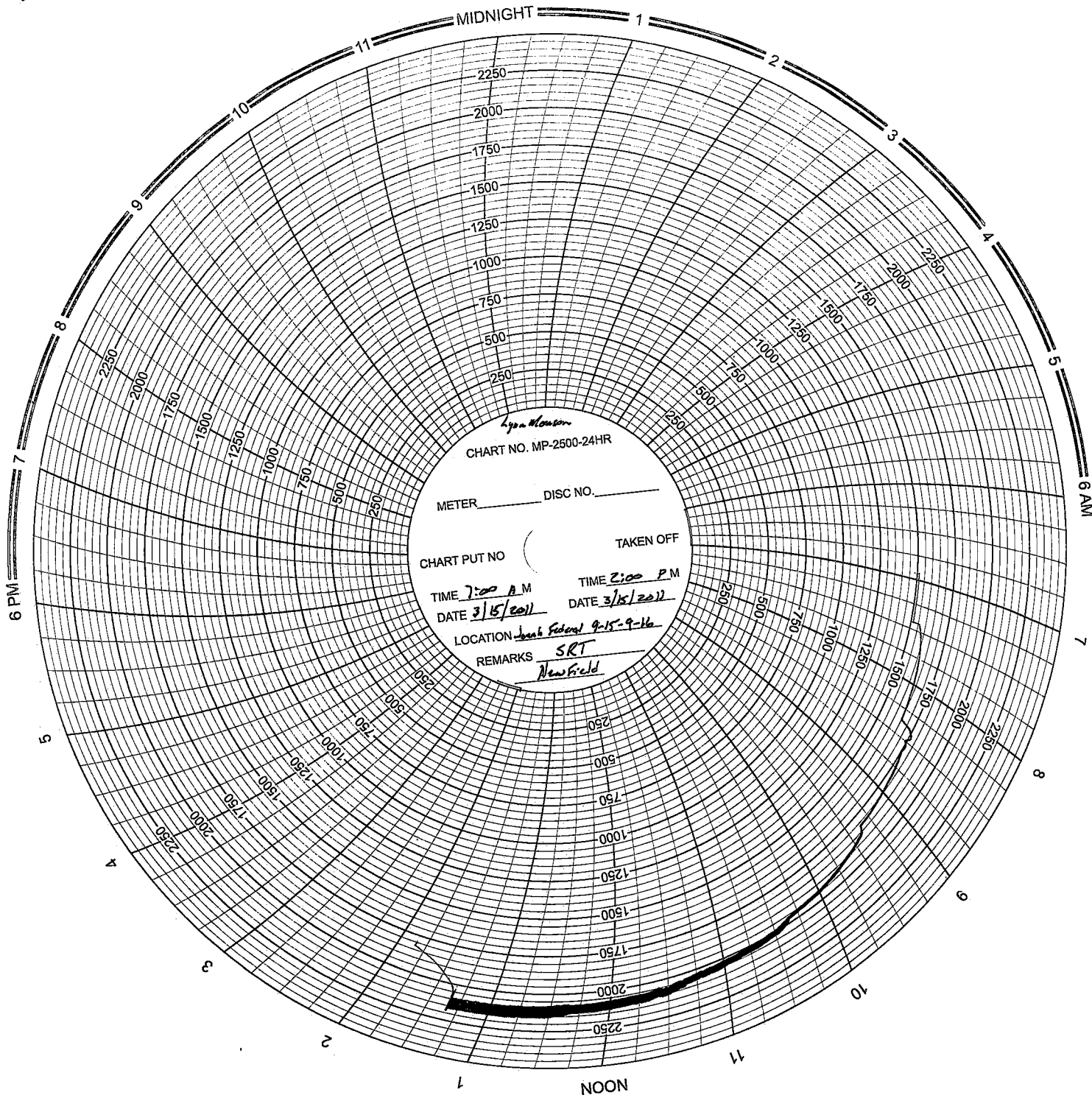
DIV. OF OIL, GAS & MINING

**Jonah Federal 9-15-9-16**  
**Greater Monument Butte Unit**  
**Step Rate Test**  
**March 15, 2011**



**Start Pressure:** 1510 psi  
**Top Perforation:** 4704 feet  
**Fracture pressure (Pfp):** 2060 psi  
**FG:** 0.877 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1650
2	100	1820
3	150	1975
4	200	2075
5	250	2125
6	300	2155



MIDNIGHT

6 AM

6 PM

NOON

*Lynn Olson*

CHART NO. MP-2500-24HR

METER \_\_\_\_\_ DISC NO. \_\_\_\_\_

CHART PUT NO \_\_\_\_\_ TAKEN OFF \_\_\_\_\_

TIME 7:00 A.M. TIME 2:00 P.M.

DATE 3/15/2011 DATE 3/15/2011

LOCATION Jan's Federal 9-15-9-16

REMARKS SRT  
Newfield

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-017985
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED 9-15-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1724 FSL 0782 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 15 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326830000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">5 YR MIT</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/12/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

On 10/05/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/12/2011 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1960 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 11/08/2011

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/14/2011	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/12/11 Time 10:00 am pm

Test Conducted by: DAVE CLAWARD

Others Present: \_\_\_\_\_

Well: <u>JONAH FEDERAL</u> <u>9-15-9-16</u>	Field: <u>JONAH FEDERAL</u> <u>Duchesne County Utah</u>
Well Location: <u>JONAH FEDERAL 9-15-9-16</u>	API No: <u>UTU 87538X</u>
<u>NE/SE SEC. 15, T9S, R16E</u>	<u>43-013-32683</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1260</u>	psig
5	<u>1260</u>	psig
10	<u>1260</u>	psig
15	<u>1260</u>	psig
20	<u>1260</u>	psig
25	<u>1260</u>	psig
30 min	<u>1260</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

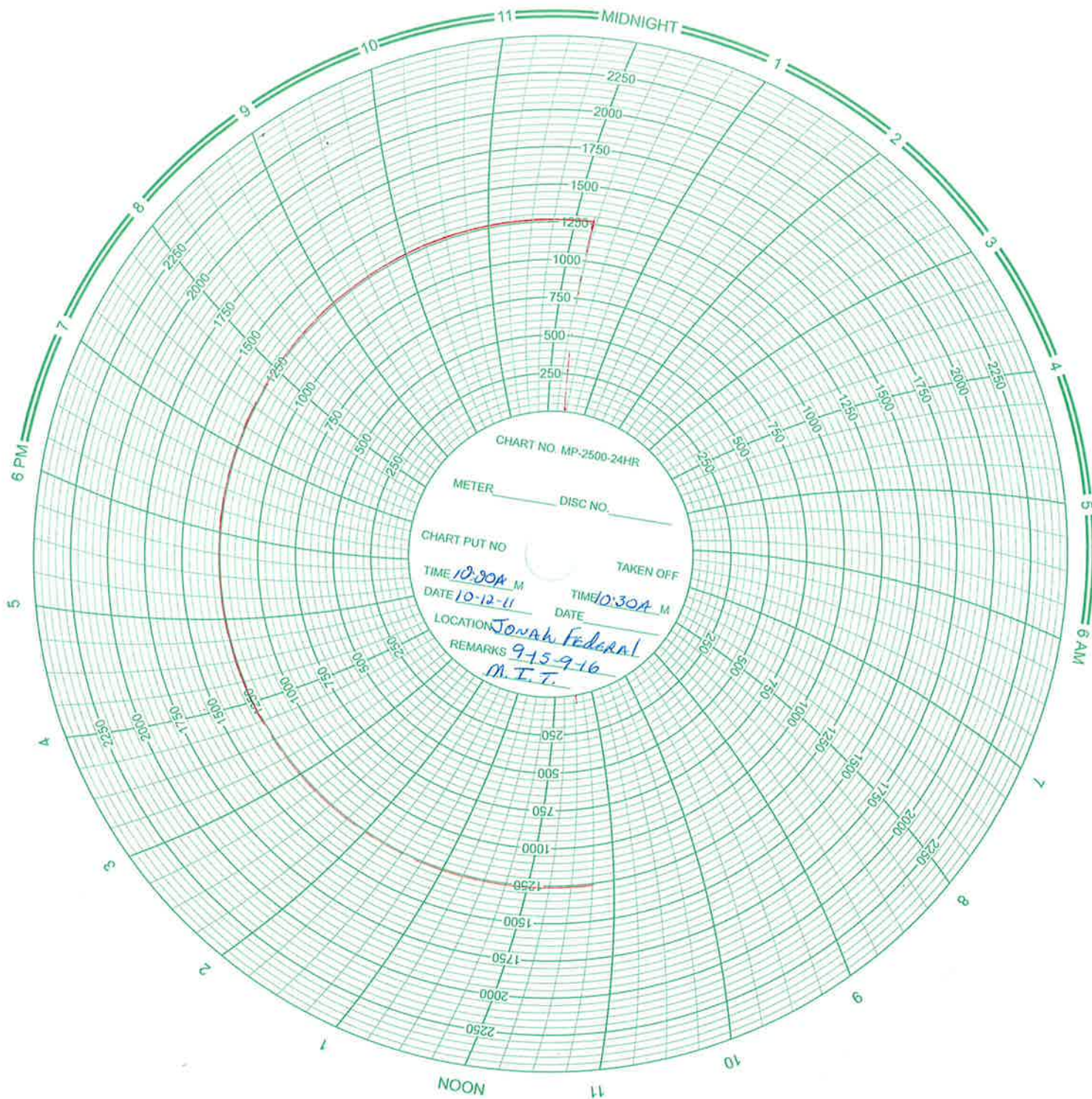
Tubing pressure: 1960 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: David Claward







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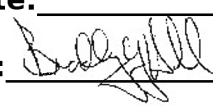
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">5 YR MIT</span>
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<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/14/2011	

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Others Present: \_\_\_\_\_

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<u>NE/SE SEC. 15, T9S, R16E</u>	<u>43-013-32683</u>

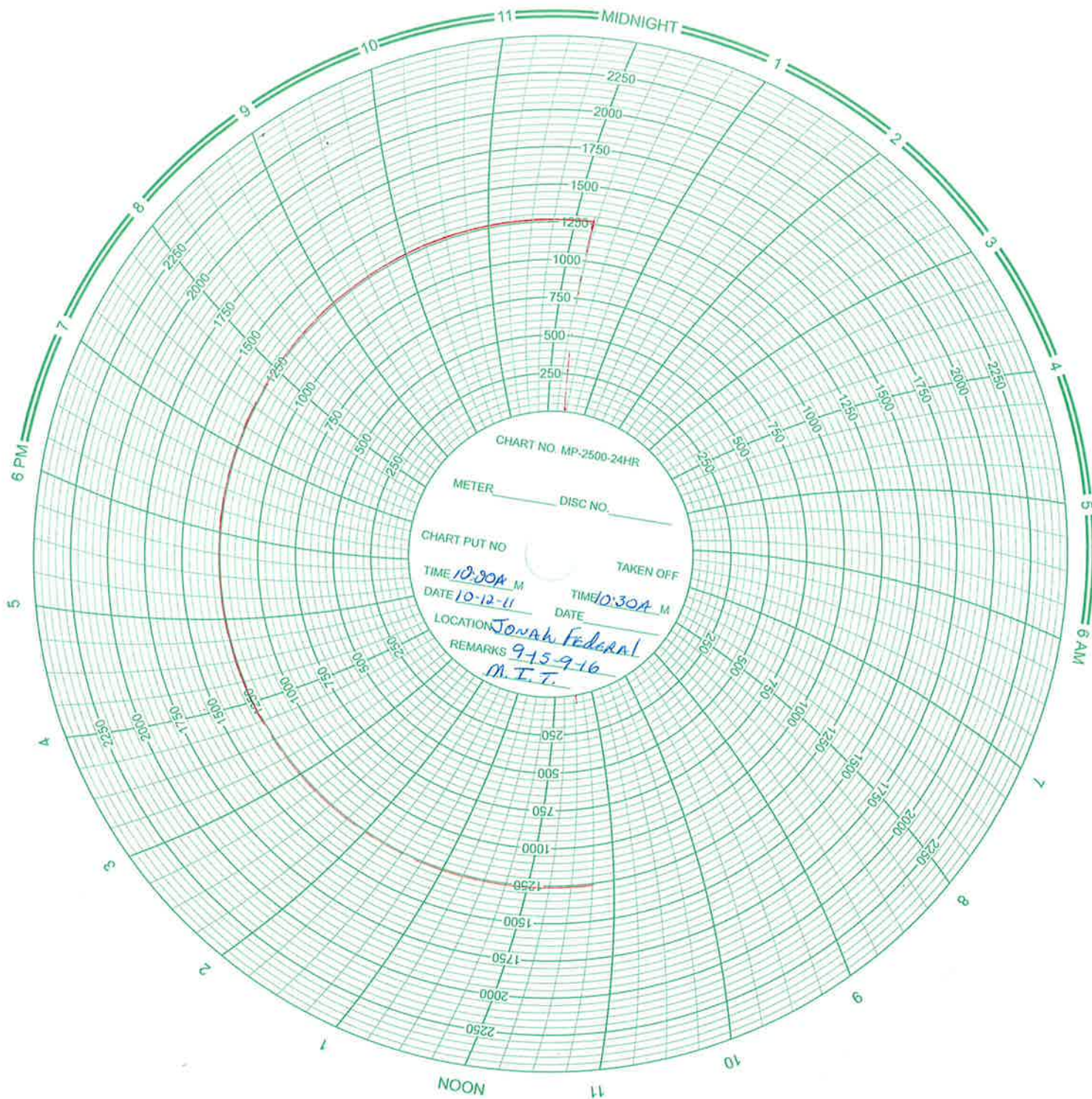
<u>Time</u>	<u>Casing Pressure</u>	
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5	<u>1260</u>	psig
10	<u>1260</u>	psig
15	<u>1260</u>	psig
20	<u>1260</u>	psig
25	<u>1260</u>	psig
30 min	<u>1260</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1960 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: David Cloward





# Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
Put on Production: 7-7-05  
GI.: 5698' KB: 5710'

Initial Production: 77 BOPD,  
11 MCFD, 59 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jnts (302.72')  
DEPTH LANDED: 314.57' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts (5836.02')  
DEPTH LANDED: 5849.27' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50 50 POZ.  
CEMENT TOP AT: 460'

### TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#  
NO. OF JOINTS: 148 jts (4436.14')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4636.14' KB  
TOTAL STRING LENGTH: EOT @ 4644.69' KB

Cement top @ 460'

Packer @ 4641'

EOT @ 4645'

4704-4720'

4820-4827'

4832-4836'

4851-4857'

4998-5003'

5014-5018'

5114-5118'

5428-5446'

5666-5696'

5716-5720'

PBTD @ 5805'

SHOE @ 5849'

TD @ 5860'

### FRAC JOB

6-30-05 5666-5696' Frac CP5 & CP4 sands as follows:  
70165# 20-40 sand in 559 bbls Lightning 17  
frac fluid. Treated @ avg press of 1230 psi  
w/avg rate of 24.5 BPM. ISIP 1800 psi. Calc  
flush: 5664 gal. Actual flush: 5670 gal.

6-30-05 5428-5446' Frac CP1 sands as follows:  
57169# 20-40 sand in 486 bbls Lightning 17  
frac fluid. Treated @ avg press of 1346 psi  
w/avg rate of 24.5 BPM. ISIP 1900 psi. Calc  
flush: 5426 gal. Actual flush: 5418 gal.

7-1-05 4998-5118' Frac LODC, A1, A3 sands as follows:  
34026# 20-40 sand in 343 bbls Lightning 17  
frac fluid. Treated @ avg press of 1820 psi  
w/avg rate of 24.5 BPM. ISIP 2500 psi. Calc  
flush: 5996 gal. Actual flush: 4738 gal.

7-1-05 4820-4857' Frac B2 sands as follows:  
49623# 20-40 sand in 426 bbls Lightning 17  
frac fluid. Treated @ avg. pressure of 1590  
24.5 BPM. ISIP 2000 psi. Calc  
flush: 4818 gal. Actual flush: 4578 gal.

7-1-05 4704-4720' Frac C sands as follows:  
88671# 20-40 sand in 632 bbls Lightning 17  
frac fluid. 24.5 BPM. Treated @ avg.  
pressure of 1714 ISIP 2000 psi. Calc  
flush: 4402 gal. Actual flush: 4607 gal  
Well converted to an injection well.  
MIT completed and submitted.

11 14 06  
11 21 06

### PERFORATION RECORD

6-24-05	5666-5696'	4 JSPP	120 holes
6-24-05	5716-5720'	4 JSPP	16 holes
6-30-05	5428-5446'	4 JSPP	72 holes
6-30-05	5114-5118'	4 JSPP	16 holes
6-30-05	5014-5018'	4 JSPP	16 holes
6-30-05	4998-5003'	4 JSPP	20 holes
7-1-05	4851-4857'	4 JSPP	24 holes
7-1-05	4832-4836'	4 JSPP	16 holes
7-1-05	4820-4827'	4 JSPP	28 holes
7-1-05	4704-4720'	4 JSPP	64 holes

## NEWFIELD

Jonah Federal 9-15-9-16

1724' FSL & 782' FEI

NE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32683; Lease #UTU-017985

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/15/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 09/09/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 09/15/2016 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1667 psig during the test. There was a State representative available to witness the test - Amy Doebele.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 22, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/19/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Amy DeBelle Date 9/15/16 Time 1046 am pmTest Conducted by: Johnny Seim

Others Present: \_\_\_\_\_

Well: 9-15-9-16Field: EVERTON MONUMENT BUT  
UNITWell Location: NE/SE SEC 15 T4S R16E API No: 43 03-32683

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20		psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1667 psig

Result:

Pass

Fail

Signature of Witness:

Amy DeBelle

Signature of Person Conducting Test:

Johnny Seim

